

Appeal In The Matter Of Department Permits L-24572-24-C-N, L-24572-TF-D-N, L-24572-IW-E-N, L-24572-24-F-N and L 24572-TF-G-N // Approval for Oakfield Wind Project Expansion

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Pleasant Lake/Mattawamkeag Lake Wind Power Project Intercepts by Dr. Brian Robertson, October 2011 ("Intercept Survey Report")





# MARKET DECISIONS

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## Research Report

### Pleasant Lake/Mattawamkeag Lake Wind Power Project Intercepts

October 2011

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## **I. Summary**

Terrence J. DeWan & Associates is in the process of conducting a visual impact assessment for a wind energy project on the hills near Pleasant Lake. Since this project may affect the view from Pleasant and Mattawamkeag Lakes, which are designated as scenic resources of state or national significance, the client wished to better understand public opinions of the possible effects of the project on the view shed.

Terrence J. DeWan & Associates requested that the survey be conducted at locations on Pleasant Lake and Mattawamkeag Lake. Surveys were conducted between August 26 and August 29 and between September 2 and September 5, 2011.

Terrence J. DeWan & Associates engaged Market Decisions to finalize and conduct the survey, and evaluate the results. Market Decisions interviewed 60 users of the lakes during the survey timeframe.

## II. Methodology

The survey used in this research was developed by Market Decisions. The survey was designed to be administered in person at locations along Pleasant Lake and Mattawamkeag Lake. The survey includes a total of 53 questions including demographic information. The survey assessed:

- Activities in which respondents were engaged or planning
- Prior visits to the lakes in the area
- Importance of key attributes to their visit
- Expectations for the area
- General assessment of scenic value and quality
- An assessment of the scenic value/quality of the lakes (with and without the wind turbines)
- Impact of the project on use and enjoyment of the lakes
- General views of wind power development
- Demographics

For the most important set of questions, respondents were asked to rate the scenic value of Pleasant Lake and Mattawamkeag Lake by evaluating a series of photo-simulations of the view; two for each location. The first was based on the current view of each location while the second was a photograph of the same view with simulated images of wind turbines on the hills near Pleasant Lake. Respondents were then asked a series of questions about how the presence of the wind turbines would impact their use and enjoyment of the two lakes. A copy of the survey is provided in the Appendix.

The survey was administered over two weekends from August 26 to August 29 and from September 2 to September 5, 2011. The weather conditions varied over the study period and consisted of days that were mostly sunny, partly sunny, and cloudy.

On each day, trained interviewers went to locations on Pleasant Lake and Mattawamkeag Lake. Interviewers conducted interviews from Noon to 6 PM on Fridays, 8 AM to 6 PM on Saturdays, 8 AM to 6 PM on Sundays, and from 8 AM to Noon on Mondays.

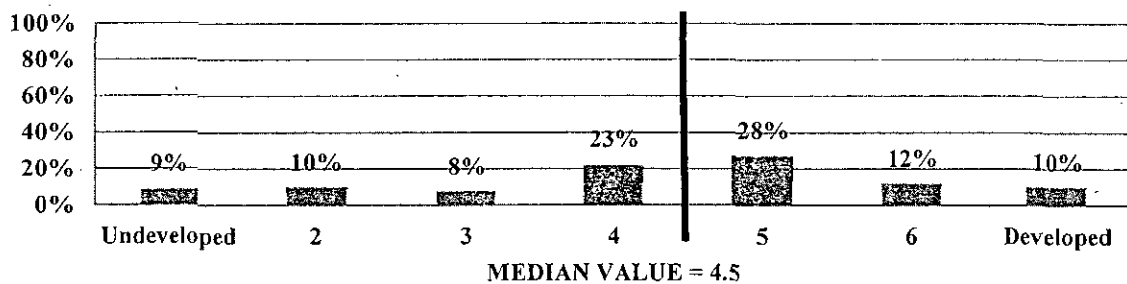
Interviewers intercepted people near public boat launches on both lakes. Multiple adults from each party were invited to participate as they were willing. Children were not interviewed.

A total of 271 people were observed during the survey period at the two lake locations. In addition, interviewers observed 81 boats, 19 canoes or kayaks and 5 jet skis on the two lakes over the data collection period (many of these are also included in the 271 people observed at the survey locations). In all, 60 interviews were completed among adults at Pleasant Lake and Mattawamkeag Lake (40 at Pleasant Lake and 20 at Mattawamkeag Lake).

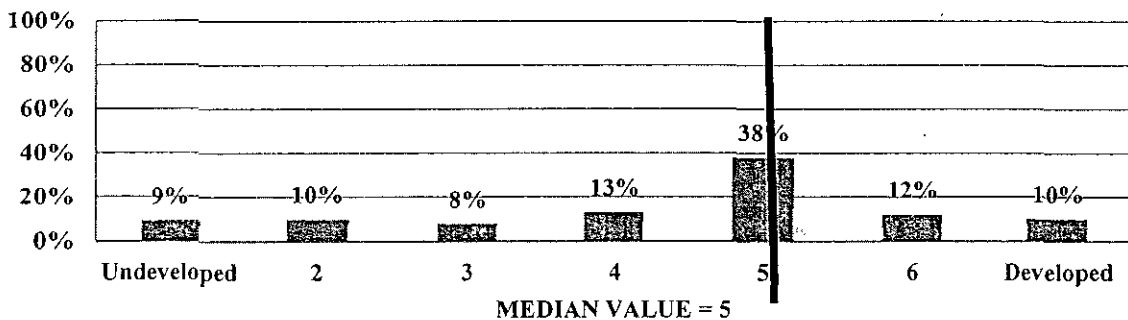
### Note on Median Values

For the questions that respondents answered using a seven point scale, the results presented below include the median value. The median value is that value at which 50% of the responses are below the value and 50% of responses are above the value. In some cases the distribution of the response may not make it possible for there to be a perfect split at 50% above or below the value. This happens when the point where half of the respondents answered is included within a category (i.e. the categories below this add to less than 50% and the categories above also add to less than 50%). In these cases, the median value is set at the category for which the sum of the category and all the lower categories will sum to at least 50%. The two tables below provide examples. In the first, the median is 4.5 since at this value exactly 50% of responses are above or below the value. In the second example, the median is 5. This happens since only 40% of responses are below this value but only 22% are above the value. The 50/50 split of respondents occurs within the category (5).

**Think about your expectations for level of development that you will see along the lake and rate on a scale from 1 to 7**



**Think about your expectations for level of development that you will see along the lake and rate on a scale from 1 to 7**



### **III. Survey Results**



## Activities

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The most common activities in which respondents were participating include viewing the scenery (77%), fishing (68%), the use of a motor boat (58%), staying at a camp (57%), and picnicking (43%). The most common primary activities were staying at a camp (40%) and fishing (18%).

Among those on Mattawamkeag Lake, 30% indicated their activities would take place in the upper part of the lake. Seventy percent of those respondents interviewed on Mattawamkeag Lake indicated their activities would take them both to upper and lower Mattawamkeag Lake.

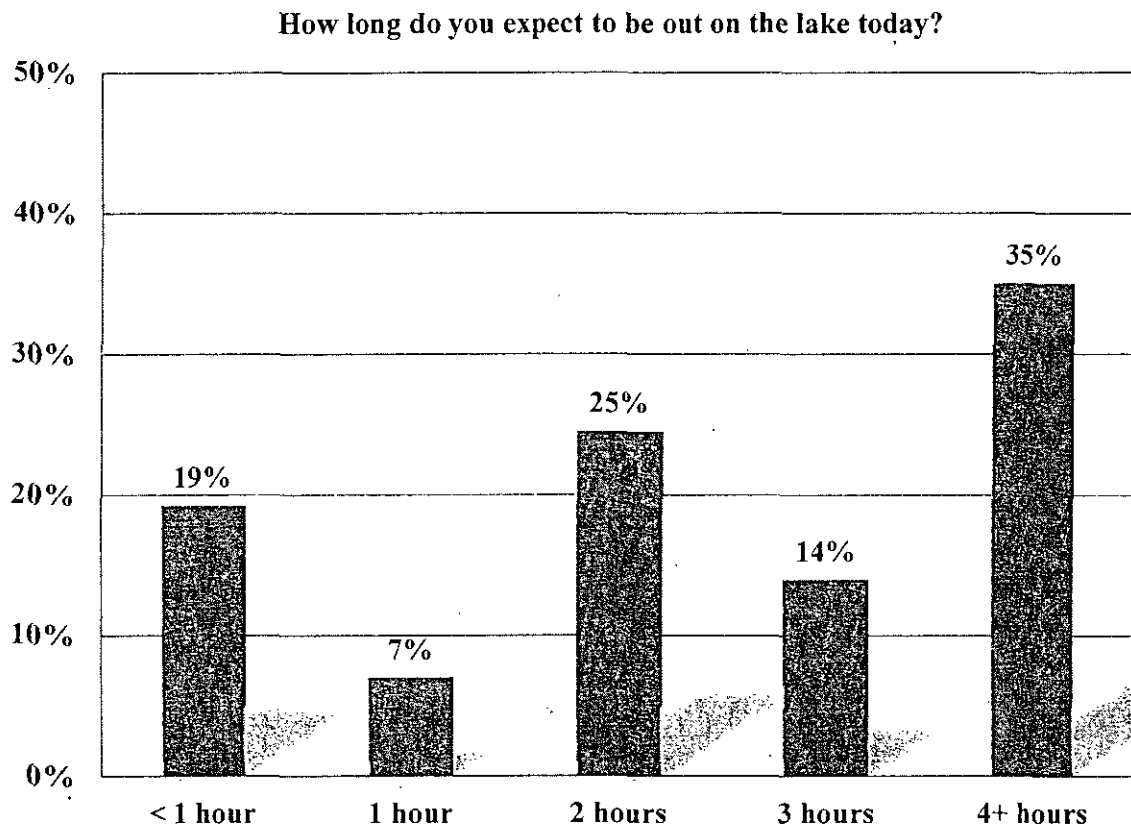
**Think about your activities on Pleasant Lake/Mattawamkeag Lake. What are your plans for today? (Multiple responses accepted)**

	All Activities	Primary Activity
Viewing the scenery	77%	2%
Fishing from a boat or shore	68%	18%
Boating - Motor Boat	58%	0%
Staying at a camp	57%	40%
Picnicking	43%	0%
Canoeing, Kayaking	37%	5%
Swimming	35%	0%
Beach going, use of the beach	32%	0%
Nature study	20%	2%
Staying at a lodge	13%	5%
Personal watercraft	10%	0%
Other	42%	28%
Total	100%	100%

**Other Plans:**

<b>ID#</b>	<b>Comment</b>
36	Family
37	Family get together
55	Family reunion
25	Friends
54	Grandparents own camp / hunting duck hunt
57	Ice fishing / all year
4	Live and work
44	Own camp
60	Party
30	Relax
58	Relaxing, vacation
27	Reunion
40	Reunion
34	Seasonal
29	Vacation
41	Vacation
51	Vacationing
52	Vacationing with family
33	Visiting
43	Visiting family
50	Visiting with friends

More than one-third of respondents (35%) expected to be out on the lake for 4 or more hours while 14% expected to be on the lake for 3 hours. One-quarter of respondents expected to be on the lake for 2 hours, 7% for one hour, and 19% expected to be on the lake for less than an hour or to be on-shore near the lake.



## Prior Visits to Area

Among all respondents, 82% had visited Pleasant Lake (before the day of data collection) during the prior 12 months while 47% had visited Mattawamkeag Lake. Among those with a prior visit to Pleasant Lake, the average number of times visiting the lake is 16.1 with a median of 2 visits during the prior 12 months. Among those with a prior visit to Mattawamkeag Lake, the average number of times visiting the lake is 21.2 with a median of 5.5 visits during the prior 12 months.

During the past year, how many times have you visited the following ...

	% Visiting	Among All Respondents		Among those visiting during prior 12 months	
		Mean # of Visits	Median # of Visits	Mean # of Visits	Median # of Visits
<b>Pleasant Lake</b>	82%	13.1	1.0	16.1	2.0
<b>Mattawamkeag Lake</b>	47%	9.9	0.0	21.2	5.5

Among all respondents, the most common activities during prior visits to Pleasant Lake were viewing the scenery (with 60% of all respondents participating in this activity), fishing from a boat or shore (48%), boating (43%), picnicking (42%), canoeing/kayaking (37%), staying at a camp (35%), and beach going, use of the beach (33%).

Among all respondents, the most common activities during prior visits to Mattawamkeag Lake were viewing the scenery (with 37% of all respondents participating in this activity), fishing from a boat or shore (37%), boating (30%), picnicking (18%), staying at a camp (17%), snowmobiling (15%), and swimming (15%).

**During the past year, how many times have you visited Pleasant Lake for...?**

	% Participating in Activity	Among All Respondents		Among those visiting during prior 12 months	
		Mean # of Visits	Median # of Visits	Mean # of Visits	Median # of Visits
Canoeing/Kayaking	37%	5.7	0.0	15.6	2.0
Boating (Motor Boat)	43%	4.6	0.0	10.6	2.0
Viewing the scenery	60%	10.9	1.0	18.1	2.0
Personal watercraft	3%	1.7	0.0	49.5	49.5
Snowmobiling	17%	2.3	0.0	13.6	4.0
Fishing from a boat or shore	48%	4.4	0.0	9.1	2.0
Ice fishing	13%	1.7	0.0	12.9	6.5
Swimming	28%	3.1	0.0	11.1	2.0
Beach going, use of the beach	33%	3.9	0.0	11.6	2.0
Staying at a lodge	13%	0.7	0.0	5.0	1.5
Staying at a camp	35%	3.8	0.0	10.8	1.0
Picnicking	42%	8.8	0.0	21.2	2.0
Nature study	17%	5.6	0.0	33.6	9.0
Hiking	5%	0.9	0.0	17.7	7.0
Any other reasons	25%	3.1	0.0	12.3	1.0

**Other Activities on Pleasant Lake:**

ID#	Comment
26	Family
36	Family
37	Family gathering
52	Family reunion
13	Relaxation
42	Relaxing
40	Reunion
55	Reunion
41	Vacationing
58	Vacationing
43	Visiting family
50	Visiting friends
33	Visiting, shopping
3	Work

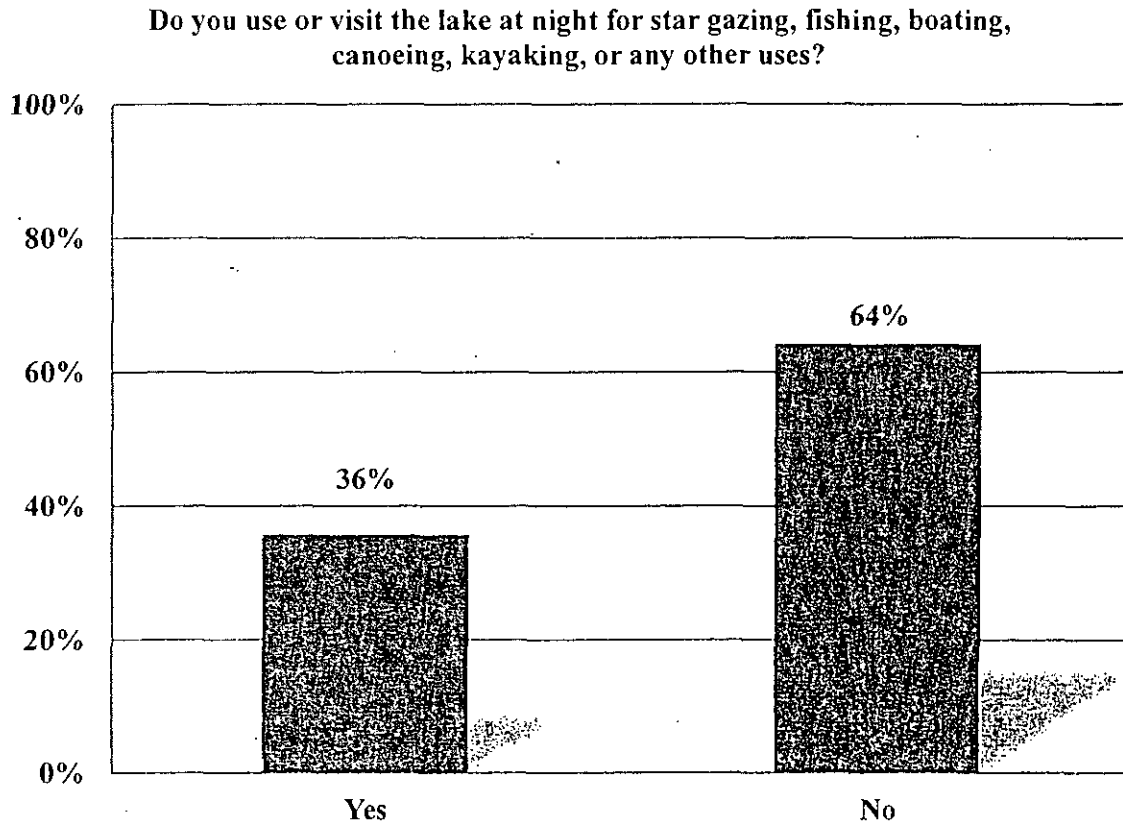
**During the past year, how many times have you visited Mattawamkeag Lake for...?**

	% Participating in Activity	Among All Respondents		Among those visiting during prior 12 months	
		Mean # of Visits	Median # of Visits	Mean # of Visits	Median # of Visits
Canoeing/Kayaking	10%	0.4	0.0	3.8	2.0
Boating (Motor Boat)	30%	6.5	0.0	21.6	6.0
Viewing the scenery	37%	8.1	0.0	22.1	6.0
Personal watercraft	0%	0.0	0.0	0.0	0.0
Snowmobiling	15%	2.4	0.0	16.1	5.0
Fishing from a boat or shore	37%	5.6	0.0	15.3	5.5
Ice fishing	13%	0.9	0.0	6.9	6.5
Swimming	15%	3.4	0.0	22.6	3.0
Beach going, use of the beach	10%	3.2	0.0	31.5	14.0
Staying at a lodge	7%	0.2	0.0	3.3	1.0
Staying at a camp	17%	6.3	0.0	38.0	12.5
Picnicking	18%	4.9	0.0	26.6	6.0
Nature study	5%	3.4	0.0	68.7	97.0
Hiking	7%	1.7	0.0	26.0	6.5
Any other reasons	5%	0.1	0.0	2.7	1.0

**Other Activities on Mattawamkeag Lake:**

ID#	Comment
13	Relaxation
23	Visit camp
50	Visiting friends

Thirty-six percent of respondents indicated they visit the lake at night for activities. The most common activity was star gazing followed by fishing and boating.



**Nighttime Activities:**

<b>ID#</b>	<b>Comment</b>
16	Boating
53	Boating
49	Fishing
4	Star gazing
7	Star gazing
10	Star gazing
22	Star gazing
26	Star gazing
31	Star gazing
32	Star gazing
34	Star gazing
52	Star gazing
51	Star gazing
19	Star gazing, campfire
57	Star gazing, campfire
36	Star gazing, fishing, boating
48	Star gazing, fishing, boating
54	Star gazing, fishing, boating, canoeing, kayaking
60	Viewing



## Importance of Attributes to Visit and Use of Lake

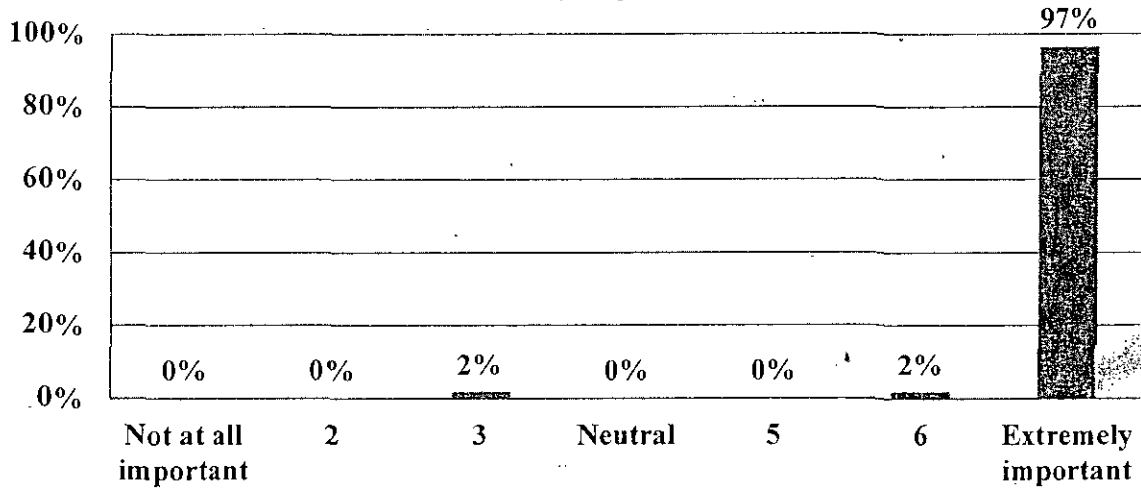
Respondents were asked to rate the importance of ten attributes to their visit to the lake. Each attribute was rated on a 7-point scale where 1 indicated that the attribute was not at all important in their use of the lake and 7 indicated that the attribute was very important. On average, all ten attributes were rated as important by respondents, with a majority rating all but one attribute as extremely important, assigning the highest point on the scale. Based on the average, the ten attributes ranked in order are:

- **Enjoying the outdoors** (average of 6.9 with 97% rating as extremely important)
- **Enjoying time with family/friends** (average of 6.8 with 97% rating as extremely important)
- **Relaxing/unwinding** (average of 6.7 with 90% rating as extremely important)
- **The scenery and scenic views** (average of 6.6 with 78% rating as extremely important)
- **Getting back to nature** (average of 6.4 with 72% rating as extremely important)
- **The general experience of being out on the water** (average of 6.3 with 74% rating as extremely important)
- **The enjoyment of being on a boat** (average of 6.1 with 67% rating as extremely important)
- **Seeing/observing wildlife** (average of 5.8 with 58% rating as extremely important)
- **An opportunity to have some time by myself** (average of 5.8 with 70% rating as extremely important)
- **The quality of the fishing** (average of 5.6 with 49% rating as extremely important)

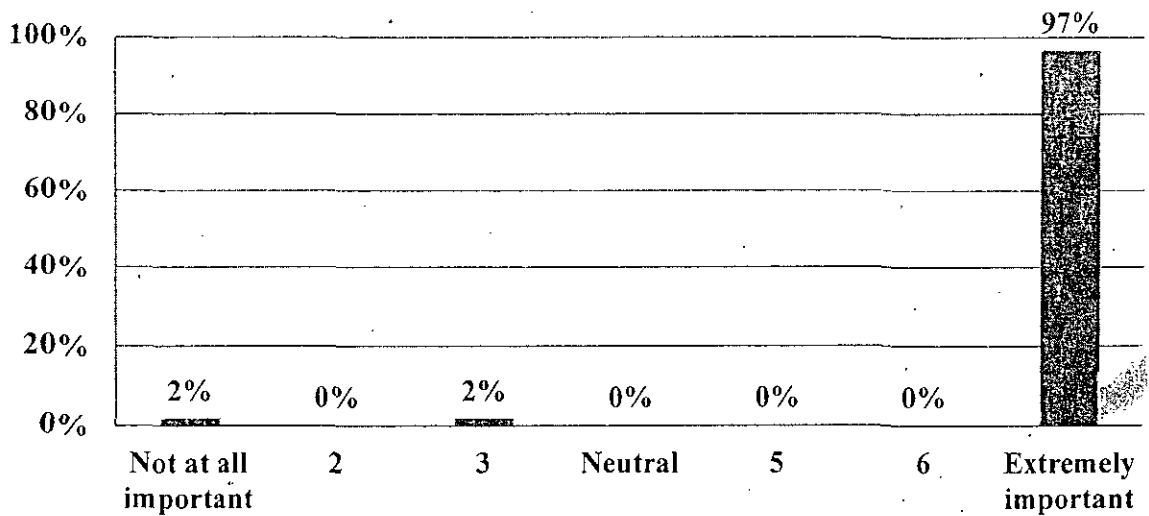
Next, I would like you to think about your use of the lake today. Please rate each of the following on a 7-point scale, where 1 is NOT AT ALL important and 7 is EXTREMELY important to you.

Attribute	Mean	Median
Enjoying the outdoors	6.9	7.0
Enjoying time with family/friends	6.8	7.0
Getting back to nature	6.4	7.0
Relaxing/unwinding	6.7	7.0
Seeing/observing wildlife	5.8	7.0
The enjoyment of being on a boat	6.1	7.0
The scenery and scenic views	6.6	7.0
The general experience of being out on the water	6.3	7.0
The quality of the fishing	5.6	6.0
An opportunity to have some time by myself	5.8	7.0

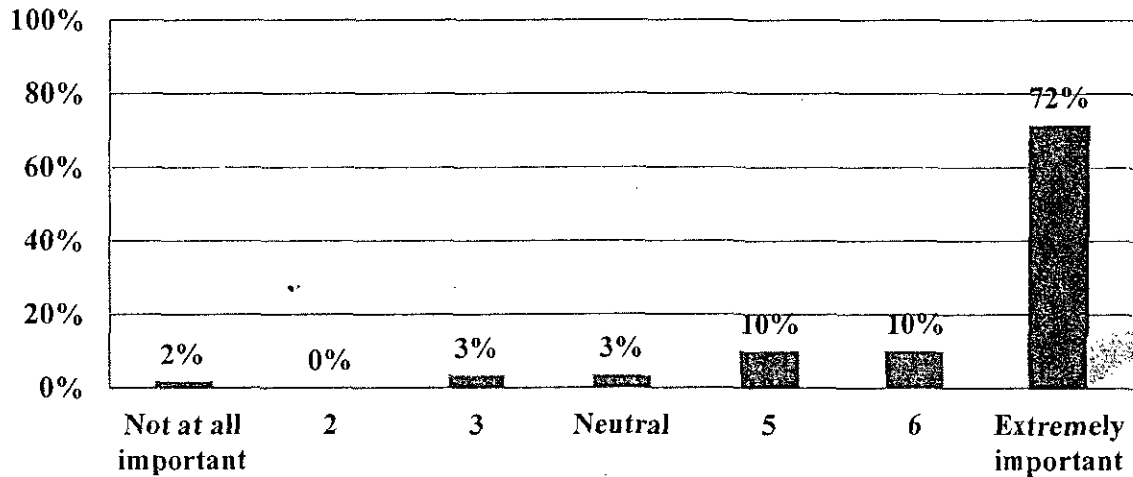
Next, I would like you to think about your use of the lake today. How important is - Enjoying the outdoors  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



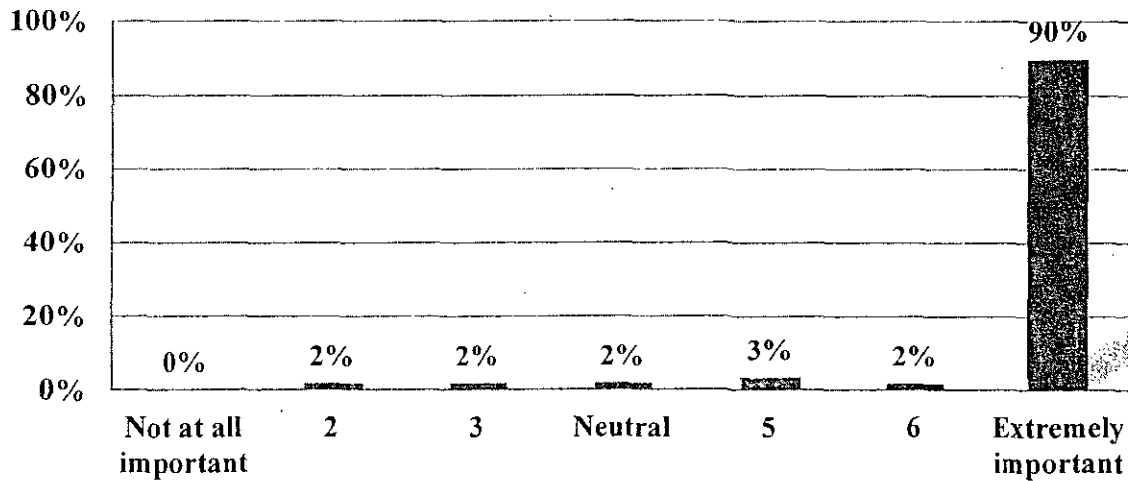
Next, I would like you to think about your use of the lake today. How important is - Enjoying time with family/friends  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



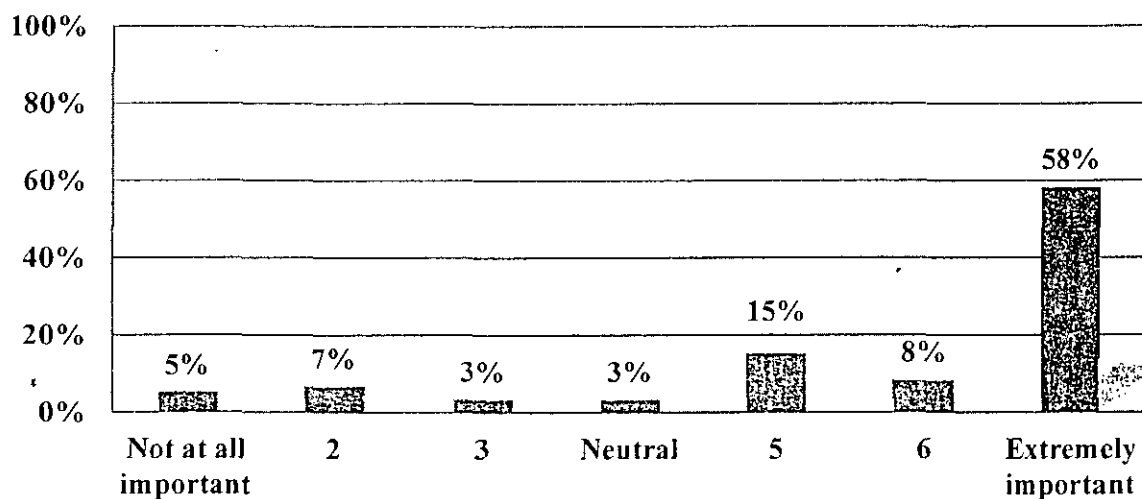
Next, I would like you to think about your use of the lake today. How important is - Getting back to nature  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



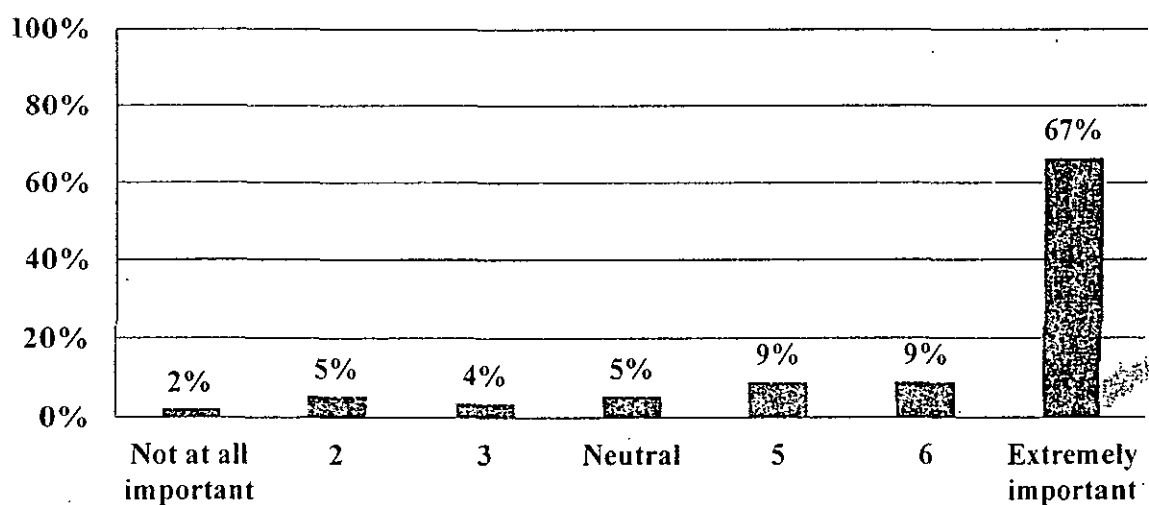
Next, I would like you to think about your use of the lake today. How important is - Relaxing/unwinding  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



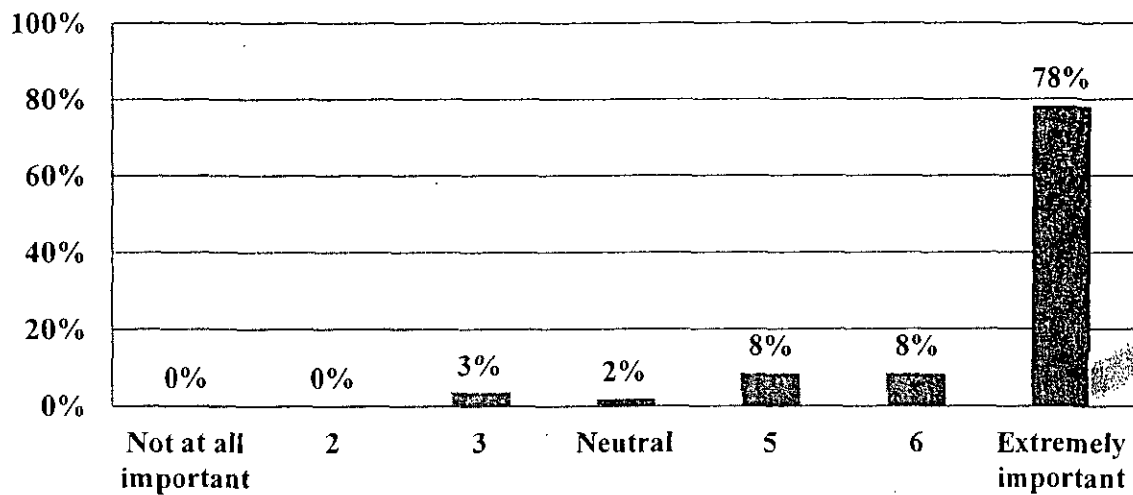
Next, I would like you to think about your use of the lake today. How important is - Seeing/observing wildlife  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



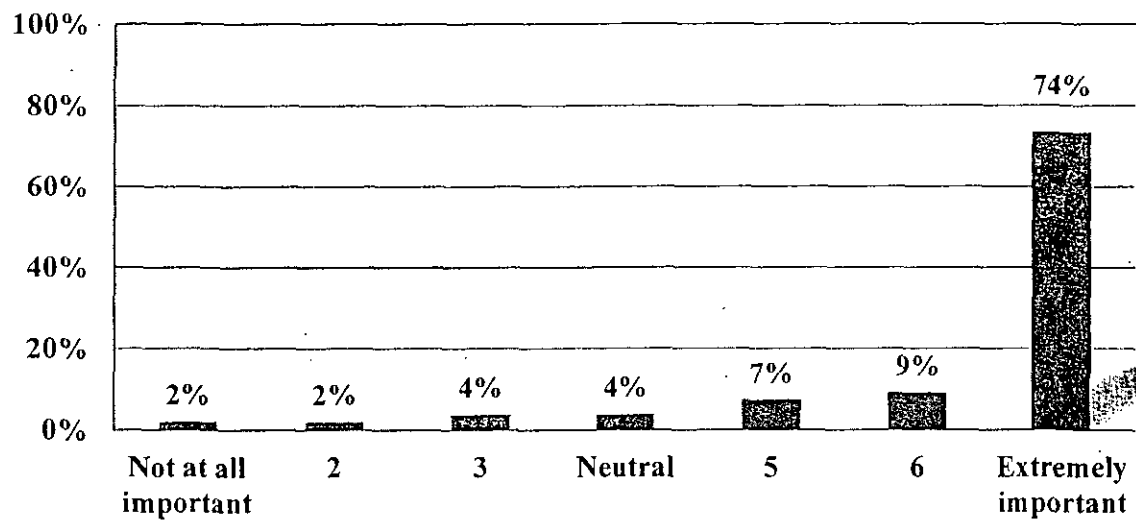
Next, I would like you to think about your use of the lake today. How important is - The enjoyment of being on a boat  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



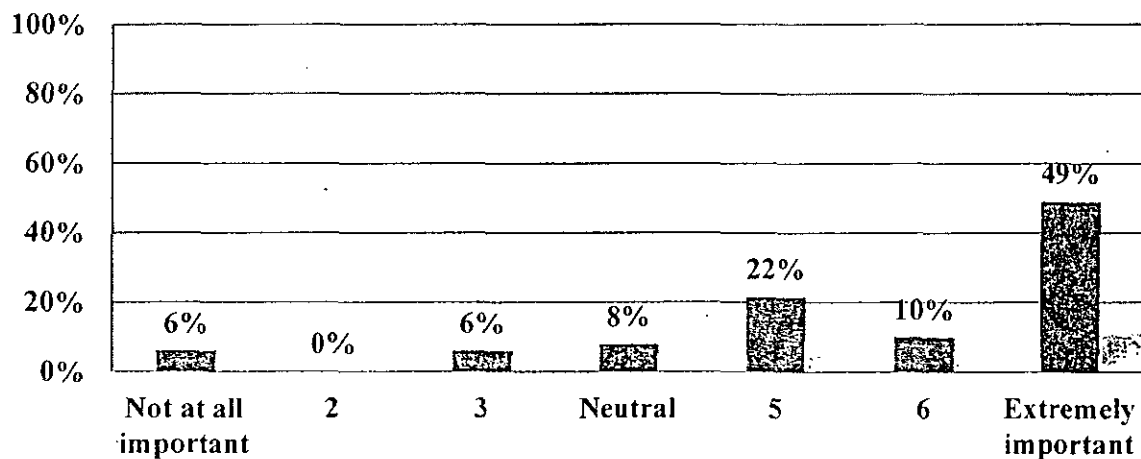
Next, I would like you to think about your use of the lake today. How important is - The scenery and scenic views  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



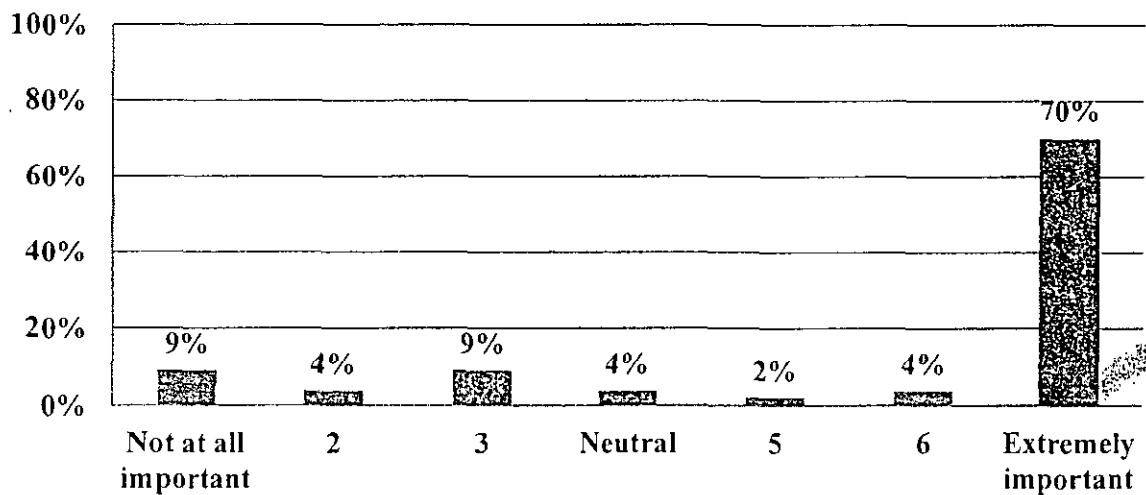
Next, I would like you to think about your use of the lake today. How important is - The general experience of being out on the water  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



Next, I would like you to think about your use of the lake today. How important is - The quality of the fishing  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



Next, I would like you to think about your use of the lake today. How important is - An opportunity to have some time by myself  
(Rated on a 7 point scale where 1 is not at all important and 7 is extremely important)



**Is there anything else about coming here today that is important to you?**

<b>ID#</b>	<b>Comment</b>
33	Amish market
2	Being here with family
48	Clean
54	Close to home
36	Family
26	Family reunion
30	Getting away
6	Kids having fun
1	Peace of mind, clean air, untouched land, piece of heaven
16	Quiet
7	Relaxing
51	The camp / been coming here since infant :)
35	The people
34	We have been coming seasonally for 13-14 years. Can't wait to get back.
3	Work

## Expectations for the Area

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Respondents were asked about their expectations for their recreational experience while visiting the lake. The most commonly mentioned responses included fishing, catching fish or good fishing, as well as peace and quiet and a chance to relax.

**In general, what are your expectations for your recreational experience during your visit to Pleasant Lake/Mattawamkeag Lake?**

ID#	Comment
29	All right
41	Being with family and relaxing
36	Being with family outside
53	Boating, having supper
56	Catch fish
59	Catch fish
49	Catch some salmon
48	Clean / less crowded than this weekend (Labor Day) / more frogs
34	Clean lake, quiet, people leaving wildlife alone, enjoy looking, but don't touch
26	Clean water, nice views, clean grounds
1	Come to have fun, sleep well here, tranquility, wildlife, peace of mind
44	Doing this all my life
23	Enjoying life
18	Enjoying your time
55	Everything is good
27	Exceeded
31	Excellence, beauty, tranquility, family
45	Experience a different aspect of Maine
37	Family gathering
21	Fishing
10	Fun time, quiet time, a break
20	Good fishing
39	Good fishing, good camping, good weather, not getting it
24	Good fishing, sportsmanship
46	Good times with family
60	Have a good time, enjoy the view
51	Have a great time



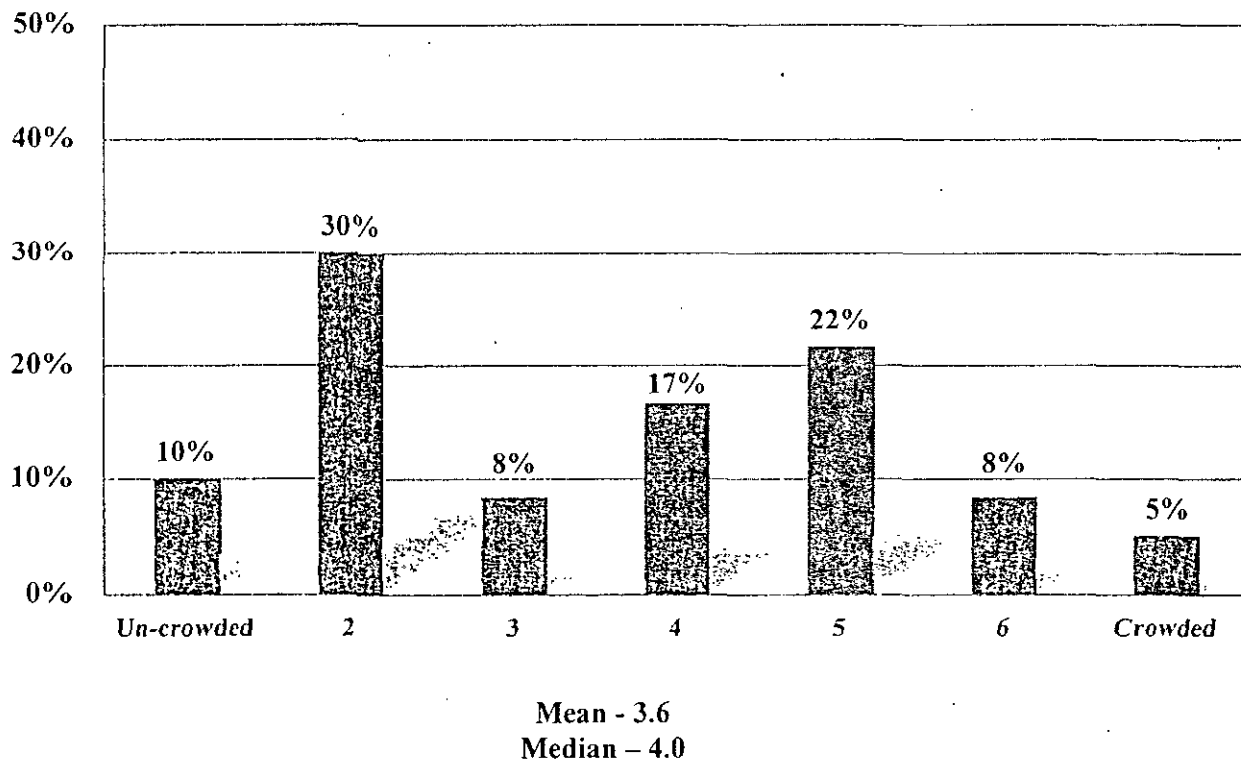
57	Have a nice time
17	Have fun
12	I enjoyed it
4	I just like being here
11	Just relaxation
42	Just to relax and camp
43	Kayaking, canoeing
14	Never been before, expected good fishing
54	Nice day, good fishing
6	Nice kayak, kids swim and play, safe setting
52	Nice weather, pleasant atmosphere
16	Peace and quiet
19	Peace, quiet, fishing, time away
58	Peace, quiet, looking at nature
33	Peaceful
15	Peaceful outdoors, catch fish
2	Pristine conditions
38	Quiet, clean
3	Quiet, relaxing
13	Quiet, warm, relaxing
50	Quietness, relaxing
30	Relax, maybe visit with family
5	Relaxation
32	Rest and relaxation
47	See wildlife and nature
22	Something to eat
25	To enjoy friends, be outside, be on water
9	To get away from the city
35	To have a good time, get drunk
28	Very nice place to stay quiet. Not very crowded, pleasant place with friends and family.
40	Visiting with friends and family

Respondents were asked to evaluate two aspects of their expectations of their visit to the lake; the number of people they might see and the level of development. Both of these aspects were evaluated on a seven point scale.

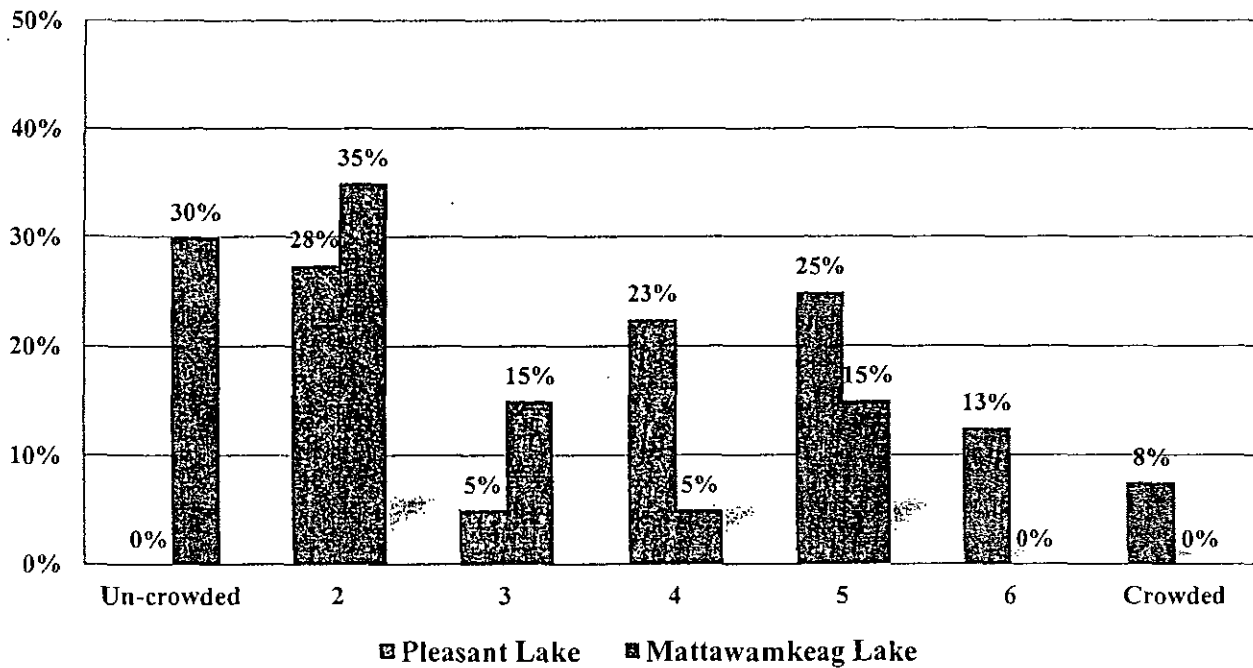
Respondents had moderate expectations of the number of people that would also be using the lake. The average rating on the seven point scale (with 1 being un-crowded and 7 being crowded) is 3.6 with a median of 4.0. Forty-eight percent of respondents expressed the view that the lake would be un-crowded to some degree (rating as 1, 2, or 3) while 35% expected the lake to be crowded to some degree (rating as 5, 6, or 7). There was a significant difference in the average scores between those interviewed at Pleasant Lake (4.1) and Mattawamkeag Lake (2.4).

Respondents also had moderate expectations of the level of development along the lake. The average rating on the seven point scale (with 1 being undeveloped and 7 being developed) is 3.7 with a median of 4.0. Forty-one percent of respondents expressed the view that the lake would be undeveloped to some degree (rating as 1, 2, or 3) while 37% expected the lake to be developed to some degree (rating as 5, 6, or 7). There was a significant difference in the average scores between those interviewed at Pleasant Lake (4.3) and Mattawamkeag Lake (2.7).

**Think about your expectations for the number of people that may also be using the lake. Rate this on a scale from 1 to 7 where 1 means you expect it to be un-crowded with few/no other people and 7 means you expect it to be crowded with a large #.**

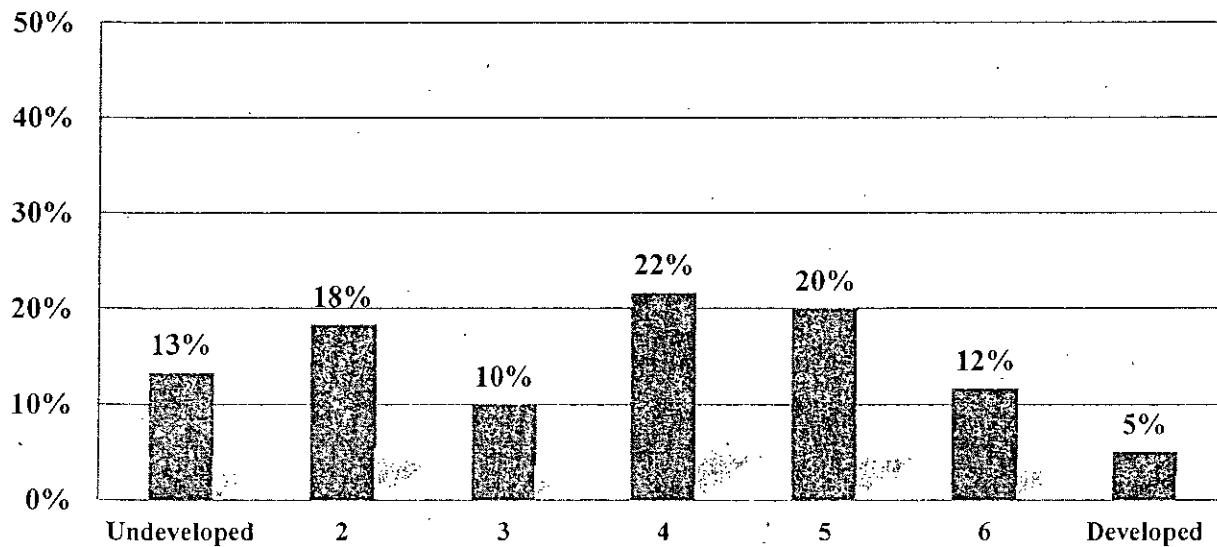


Think about your expectations for the number of people that may also be using the lake. Rate this on a scale from 1 to 7 where 1 means you expect it to be un-crowded with few/no other people and 7 means you expect it to be crowded with a large #.



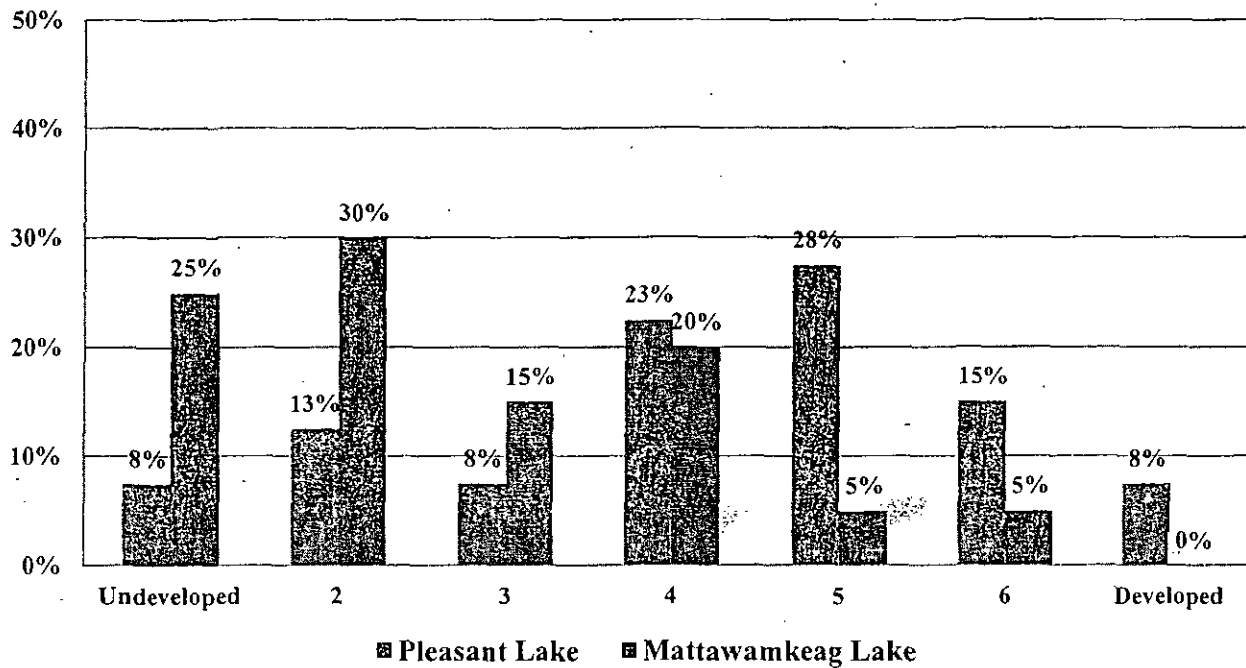
	Mean	Median
Pleasant Lake	4.1	4.0
Mattawamkeag Lake	2.4	2.0

Think about your expectations for level of development that you will see along the lake. Please rate on a scale from 1 to 7 where one means you expect the lake to be largely UN-developed and 7 means you expect it to be largely or mostly developed.



Mean - 3.7  
Median - 4.0

Think about your expectations for level of development that you will see along the lake. Please rate on a scale from 1 to 7 where one means you expect the lake to be largely UN-developed and 7 means you expect it to largely or mostly developed.



	Mean	Median
Pleasant Lake	4.3	4.5
Mattawamkeag Lake	2.7	2.0

## Scenic Value and Quality

A set of questions was intended to establish reference points for the ratings of scenic value. By asking for the best and the worst places of scenic value, it was thought that the responses of the survey participants could be better understood and that survey participants would be better prepared to rate the scenic value of the area having considered their own scenic value reference points in advance.

When asked to identify a place in Maine with high scenic value, the most commonly mentioned areas were Baxter State Park/Mount Katahdin, Acadia, and Mattawamkeag and Pleasant Lakes. Respondents like these areas for the views, the outdoors, the wilderness, and the mountains.

When asked to identify a place in Maine with low scenic value, the most commonly mentioned areas were the cities of Portland, Bangor, and Augusta. Respondents dislike these areas because of the crowds, the population, and development.

**Now I'd like to ask you about scenic quality. Can you think of a place in Maine that has a very high scenic quality, or outstanding views? That is, one that on a scale of 1 to 7 for scenic quality, one you would rate as a 7 for the HIGHEST scenic quality.**

**What is it about this place that makes it highly scenic?**

ID#	Place with High Scenic Value	What is it about this place that makes it highly scenic?
26	Acadia National Park	Lake, bee hive, Cadillac Mountain, random hiking everywhere, fjord, good views
32	Acadia National Park	Majestic views, forest and ocean
34	Acadia National Park	It's the coast, grew up on the coast
39	Acadia National Park	Views, ocean, Mt. Katahdin, no windmills
40	Acadia National Park	Mountains
55	Allagash	The outdoors
24	Aroostook County	Royal wooded area, animals, wildlife
12	Aroostook County and all of Maine	
6	Bar Harbor	Ocean
10	Bar Harbor	Beautiful, natural
50	Bar Harbor	Anything to do with the ocean is scenic
21	Baxter	Mountains

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48	Baxter Park	Elevation
38	Baxter State Park	Picnic area at one of the lakes, short hike, topography
43	Baxter State Park	The views, trails
45	Baxter State Park	The water
8	Biddeford Pool beach	Water, waking up to water
11	Fort Kent, St. John	Hills
41	Fryeburg, Maine	The lake and mountains
51	Here! [Mattawamkeag lake area]	Gorgeous
14	Katahdin	Highest mountain in Maine, Baxter State Park
15	Katahdin	Beautiful
59	Maine mountain	The lakes
58	Mattagamon lake	Big lake, untouched, not very developed, beautiful
17	Mattawamkeag	Birds
16	Mattawamkeag lake	Animals, Fall
28	Mattawamkeag lake	Views, animals, everything, no garbage, clean
1	Mount Katahdin	Everything, colors in trees, animals, birds, clouds
3	Mount Katahdin	Lighting, sunsets
18	Mount Katahdin	Wilderness
19	Mount Katahdin	Everything
20	Mount Katahdin	See it many different places
22	Mount Katahdin	Snow sled trail, lookout mountain, see for miles and miles
44	Mount Katahdin	Obvious
54	Mount Katahdin	Views
57	Mount Katahdin region	Brooks, ponds, the mountain
52	Mt. Desert Island, Freeport	Wilderness, the island
23	Mt. Katahdin	
25	Mt. Katahdin	Mountain, hiking trails, wildlife
27	Mt. Katahdin	View
29	Mt. Katahdin	Mountain, lake
30	Mt. Katahdin	Just high point in state
33	Mt. Katahdin	Wildlife, up high
42	Mt. Katahdin	The water and the woods
9	North Maine woods	Wild life, scenic views, lakes, quiet
36	Northern Maine	More open
37	Old Orchard Beach	Pier
13	Pleasant	Barker Rocks, wicked nice, clear water, see to bottom
2	Pleasant lake	Quality of water, Eco system, wildlife, flora, fauna
4	Pleasant lake	Pretty sunsets

35	Pleasant lake	Beautiful landscape
53	Pleasant lake	Lake and water are nice and clear, hills and surrounding scenery
56	Pleasant lake	The fishing
60	Pleasant lake	Nice view, we have a good time
7	Reid State park	Rock wall surf, beach, low population
47	Robinson Mountain	The view
5	Sebago lake	Water views
46	Shinebrook Falls	Natural waterfall
49	West Grand	Not very developed, nice scenery
31	Wild Acres in Scarborough	Everything on site, activities for kids and adults



Next, can you think of an outdoor place in Maine that has a **VERY LOW** scenic quality?  
That is, one that on a scale of 1 to 7 for scenic views, one you would rate as a 1 for  
**LOWEST SCENIC QUALITY?**

What is it about this place that gives it low scenic value?

ID#	Place with Low Scenic Value	What is it about this place that gives it low scenic value?
20	Across from Dysart's in Bangor (Landfill)	Ugly, stinky
35	Allagash	Nothing there
10	Auburn	Run down, factories
14	Augusta	Too political.
15	Augusta	Too many politicians, dirty
22	Augusta	Too much traffic
1	Bangor	Too crowded
2	Bangor	Development
9	Bangor	Industrial
26	Bangor	Not many mountains/lakes, shopping mall
29	Bangor	City, industrial
33	Bangor	Crowded, more developed
45	Bangor	Very commercialized, not a lot of nature
18	Bar Harbor	I don't know, not too clean
7	Calais	Blue tarps on roof
19	Can't think of any... cities, cities anywhere	
3	Cities	Clutter, unkempt
57	City of Portland	Crowds
43	Danforth	Nothing there
46	Don't know	
49	Don't know	
50	Don't know	
55	Haven't been	
16	Houlton	Too many people, nothing there
30	I-95	Driving through woods
8	Maine Mall	Automobiles, buildings, lights, less trees, very developed
44	Medway	Houses run down & trashy; so are people
60	Millinocket	Not much to look at
39	Mountains in woods	No population

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40	No place	
41	No place	
53	None	
25	Nowhere	Everything has its attributes.
42	Nowhere	
31	Old Orchard	Except for ocean, not scenic
38	Old Orchard Beach	Over crowded, over developed
5	Portland	City is too crowded
6	Portland	Factory area, industrial part
11	Portland	Buildings, vehicles, turnpikes, development
12	Portland	Lots of people, lots of buildings
13	Portland	Buildings, smoke, smoggy
17	Portland	Not much to see.
27	Portland	Population, building
34	Portland	People
36	Portland	City
47	Portland	Hot top, buildings, concrete, asphalt
51	Portland	I don't go there for vacation / don't look for cities in Maine
56	Portland	Too many people
58	Portland	Too touristy, busy, noisy
59	Portland	Too many people
48	Portland area / don't go to other un-scenic places	Not nature scenes / it isn't necessarily un-scenic
37	Route 161	Only trees, lots of moose (too many)
32	Sappi paper mill	Takes away from landscape, really smelly
24	Southern Maine	Portland, city
23	Washington County	No great activity
54	Woods Roads / swamp	No views

## **Scenic Value of Pleasant Lake and Impact of Wind Turbines**

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Respondents were handed a photo simulation of the view from the midpoint on Pleasant Lake and were then asked to rate the scenic value of this view. Respondents first rated the current view. Respondents were then handed a photo simulation of the same view including the proposed wind turbines. They were then asked to rate the scenic value of this view that included the wind turbines. The views were rated on a seven point scale where 1 represents the lowest scenic value and 7 represents the highest scenic value.

The average rating of the initial view (without wind turbines) among all respondents was 6.5 with 68% of respondents rating the view as a 7, or highest scenic quality, with the lowest rating assigned by respondents being a 4 (with 7% rating as a 4 on the 7-point scale).

The average rating of the second view (the view containing the wind turbines) was 4.6. Thirty-three percent of respondents rated the view with wind turbines as a 7, or highest scenic quality, while 8% assigned a score of 6 and 15% assigned a score of 5 on the 7-point scale. Seventeen percent of respondents assigned the view with wind turbines a score of 1, or lowest scenic quality. Seven percent assigned the view a score of 2 and 8% a score of 3 on the 7-point scale.

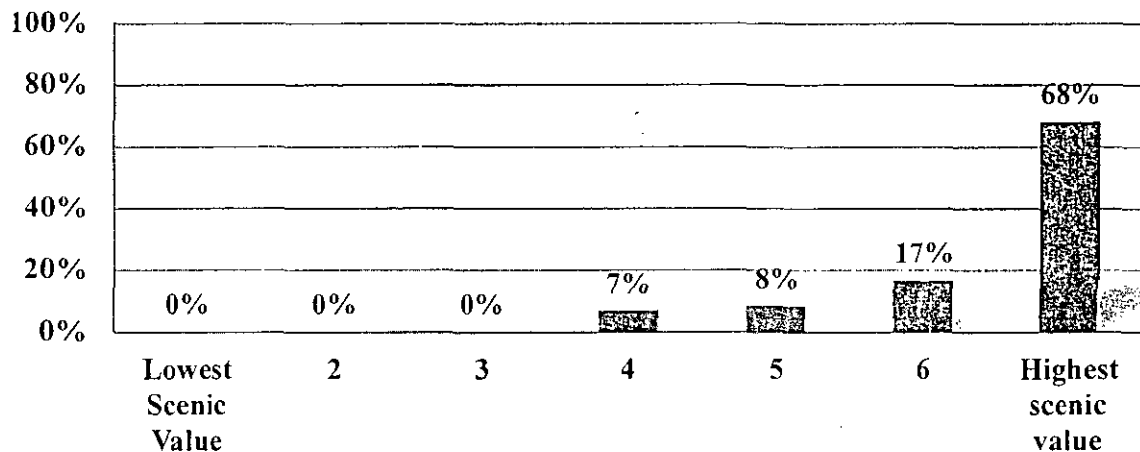
Overall, there was a 1.9 point drop in the average score between the two views from 6.5 to 4.6. There was no difference in assigned scores for 35% of respondents while 8% of respondents assigned a higher score to the view with wind turbines than to the view without wind turbines. The assigned scores dropped by one point among 12% of respondents and dropped by 2 points among 10% of respondents. The score assigned to the view with the wind turbines was 3 or more points lower than the view without the turbines among 35% of respondents.

Now, please think about the scenic value of Pleasant Lake. I am going to show you a series of photographs of views from the lake and I would like you to rate the scenic value of these views.

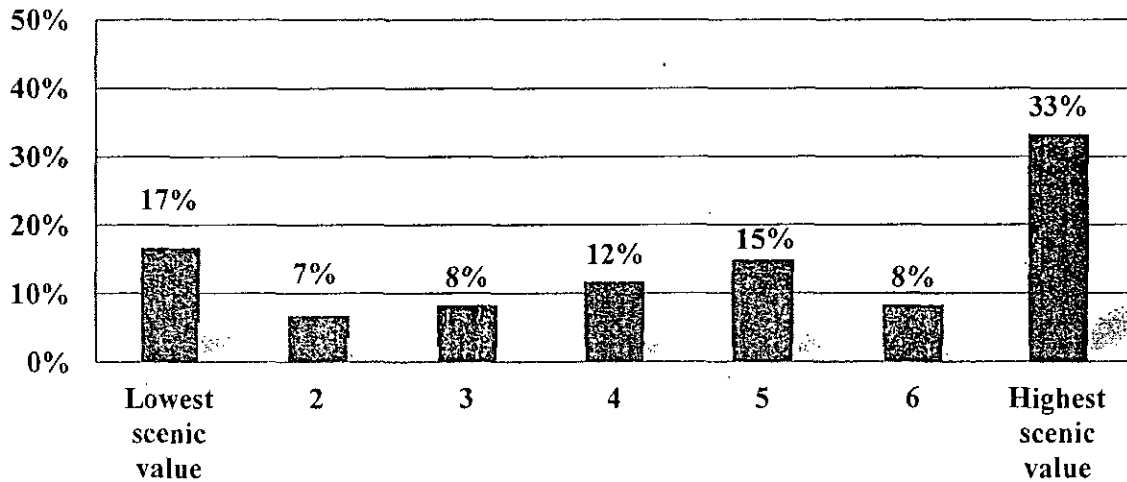
I'd like you to use a 7-point scale where 1 is the LOWEST scenic value in Maine, 7 is the HIGHEST scenic value in Maine, and 4 is the TYPICAL scenic value in Maine.

	Mean	Median
View from the midpoint on Pleasant Lake. How would you rate the scenic value of this view?	6.5	7.0
Look at this photo simulation of a wind power project that is being considered for the hills on the north side of Pleasant Lake. How would you rate the scenic value of this view?	4.6	5.0
<i>Pleasant Lake Difference in Scenic Quality Without and With Wind Turbines</i>	-1.9	-1

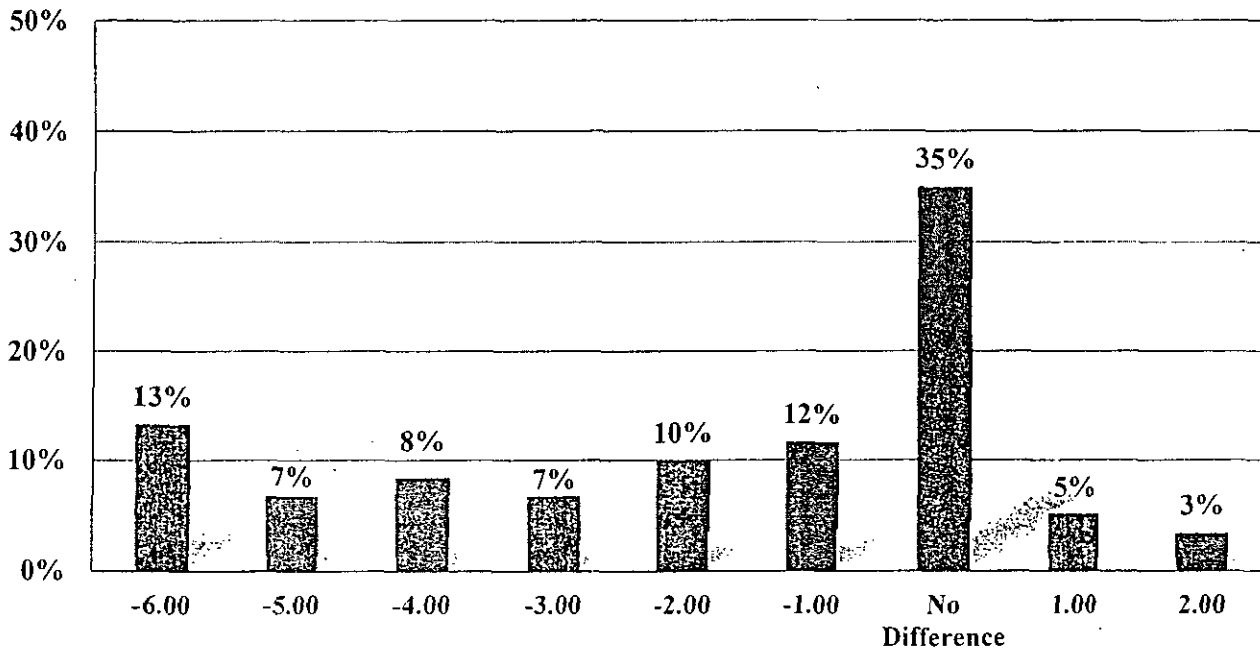
Take a look at this view from a midpoint on Pleasant Lake. On the 1 to 7 scale of scenic value in Maine, where 1 is the LOWEST scenic value and 7 is the HIGHEST, how would you rate the scenic value of this view?



Look at this photo simulation of a wind power project that is being considered for the hills on the north side of Pleasant Lake. How would you rate the scenic value of this view where 1 is the LOWEST scenic value and 7 is the HIGHEST scenic value?



Pleasant Lake Difference in Scenic Quality Without and With Wind Turbines

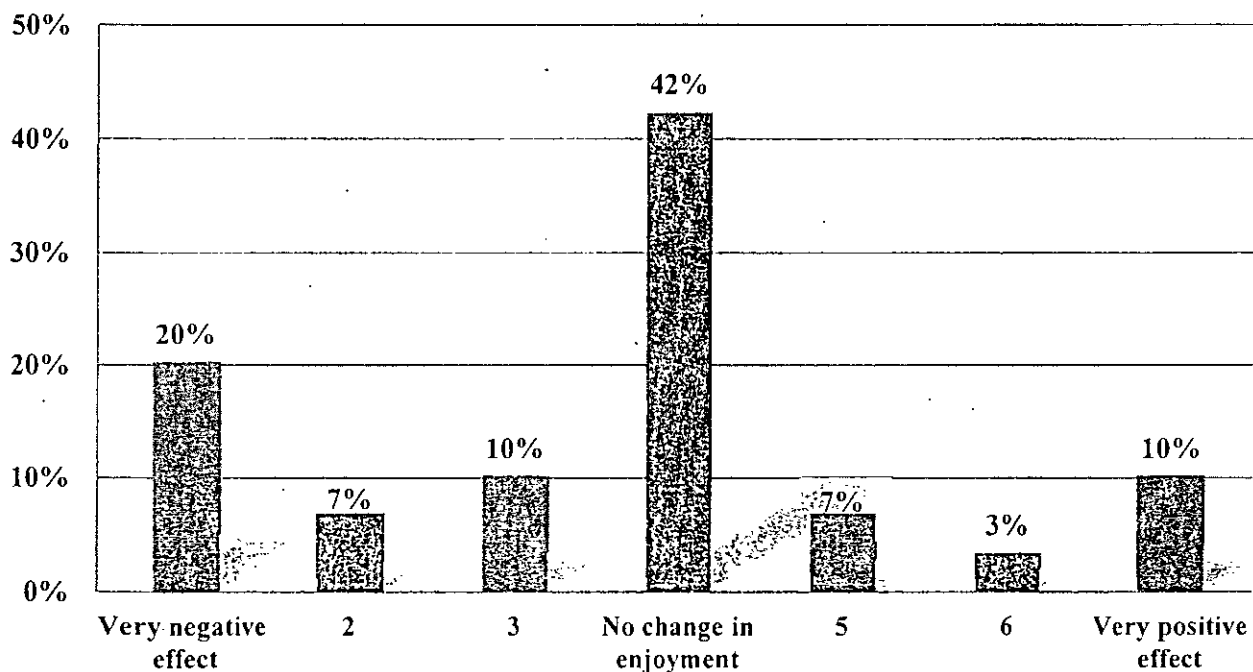


### **Impact on Enjoyment and Use (Pleasant Lake)**

A series of questions were asked to evaluate the impact of the proposed wind power project on their enjoyment and use of Pleasant Lake. Respondents first evaluated the impact of the proposed wind project on the enjoyment of their visit. Respondents rated the impact on a seven point scale where 1 indicates a very negative effect and 7 represents a very positive effect on the enjoyment of their visit. On the scale, a 4 represents no change in enjoyment.

On average, respondents indicate that the proposed wind project would have a slightly negative effect on the enjoyment of their visit; a rating of 3.6, just slightly below no change in enjoyment (which would be a rating of 4). Forty-two percent of respondents indicated that the proposed wind project would result in no change to their enjoyment of the lake while 20% indicated that the wind project would have a positive effect on their visit to Pleasant Lake (rating as a 5, 6, or 7). Thirty-seven percent of respondents indicated that the proposed wind project would have a negative effect on their visit to Pleasant Lake (rating as 1, 2, or 3).

**I'd like you to think about how your enjoyment of visiting the lake would be affected if you were to see the proposed wind project. Rate on a scale of 1-7, where 1 is a very NEGATIVE effect and 7 is a very POSITIVE effect on your enjoyment.**



Mean – 3.6  
Median – 4.0

**Why do you say that?**

ID#	Comment
48	Because man made stuff is no different than if it were camps or boats
7	A few windmills does not effect my view of nature
38	Accustomed to them not being there
37	All I see are trees
36	Because of windmills, not as natural looking
47	Clean energy
44	Will come here as long as I am alive
20	Depends on noise. Usually no problem.
54	Destroy it
1	Destroys mountain view, destroys hillside. Concerned about fish and wildlife. I visit here because it is untouched.
4	Didn't think it hurt the scenery
45	Doesn't distract me
17	Doesn't really bother me
60	Don't bother me at all
59	Don't care for them
58	Don't get direct advantage from them
6	Don't like the looks. Heard various things that windmills are loud. Heard bats can hit them...
55	Environmentally friendly way to produce energy, but unappealing to the eyes
34	Fine for Mars Hill, but leave this place alone. Noise - if there is noise, it disturbs fish and wildlife.
21	Gotta have them
14	Here to catch fish
15	Here to fish
46	I know they're a good thing, but they take away from the scenic value of the lake
5	I like the windmill, it is something we don't get to see everyday
31	I think windmills make it more scenic
57	I'd get used to them after a while, depends if it gave me a job. Should not send it to Canada
43	If I'm out on a pond, I don't want to hear the noise or look at them
33	Lack of color, less inviting
12	Like the looks of windmills
18	Like windmills, add character to land

35	Like windmills, don't bother me, cheap
24	Looks peaceful
51	Make me nervous. Is it becoming more developed here? I wouldn't be thrilled. Will it lead to more change? We come here for rustic.
13	More interesting, could have sat and watched windmills.
50	Neat to watch, however, there's a certain amount of disturbance for wildlife and local residents with them there
11	No noise, not a problem, worked on steadson, next day, so noisy, like train, inconsistent, on/off noise a problem, grew up here, don't want to see it change.
19	Noise is a problem, don't really like the looks of them
23	Noise, awful, ruins scenery
30	Once you look at it, not a lot to stay and look all day
28	Only if they (the windmill blades) chopped my hand off during walking or hiking
32	People in area trying to use natural resources, which is wind
27	Rather see windmills than power lines or nuclear power plant
8	Reason for wind power, it does obstruct the view of nature
39	Sitting in middle of lake, all alone, seems like you are all alone, back to nature. Look up, see windmills. Boom, no more nature.
9	Someone's land, they can do what they want with it
49	Sound, takes away from scenery, wouldn't buy property if they were here
22	Stuff like that I don't notice
3	Takes away from scenic value
41	There's a noise
42	They're very scenic and pretty
52	Think they are environmentally friendly
16	Totally ruins the view
2	What is the effect on wildlife?
25	Wind power is good idea, depends on where power is going. Have not been close enough to wind turbines to know their effect.
10	Wind power necessary, but ruins scenic quality
26	Windmills - creepy, ruin, not natural, don't blend into forest
29	Windmills don't bother me
53	Won't have an effect on me
40	Wouldn't have an effect on me
56	Wouldn't really have an effect on me



Respondents were then asked to evaluate how the proposed wind project might affect their use of Pleasant Lake for a number of activities. Respondents rated the impact on a seven point scale where 1 indicates they are less likely to return and 7 indicates they are more likely to return. On the scale, a 4 represents no change in their likelihood of returning to Pleasant Lake.

On average, respondents indicate that the proposed wind project would have a slightly negative to no effect on their likelihood of returning to Pleasant Lake. The score for the activities were:

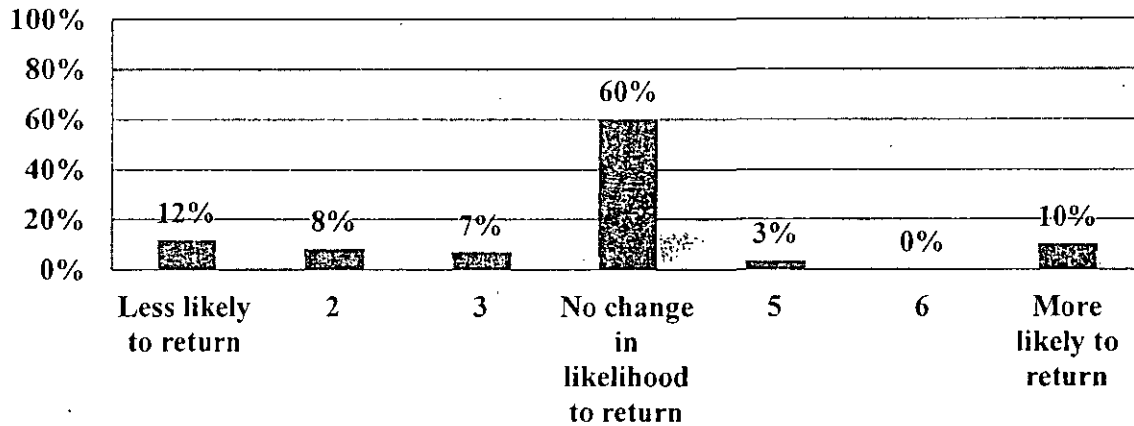
- **Boating** (an average of 3.8) with 73% indicating no change or a positive change in their likelihood to return and 27% indicating they are less likely to return (rating as 1, 2, or 3)
- **Canoeing, or Kayaking** (an average of 3.8) with 73% indicating no change or a positive change in their likelihood to return and 27% indicating they are less likely to return (rating as 1, 2, or 3)
- **Fishing from the shore or a boat** (an average of 3.8) with 76% indicating no change or a positive change in their likelihood to return and 23% indicating they are less likely to return (rating as 1, 2, or 3)
- **Ice Fishing** (an average of 4.0) with 83% indicating no change or a positive change in their likelihood to return and 17% indicating they are less likely to return (rating as 1, 2, or 3)
- **Swimming** (an average of 3.9) with 81% indicating no change or a positive change in their likelihood to return and 20% indicating they are less likely to return (rating as 1, 2, or 3)

**Next, think specifically about the view from Pleasant Lake comparing the images with and without the proposed wind project. How would the proposed wind project affect your use of Pleasant Lake for water activities?**

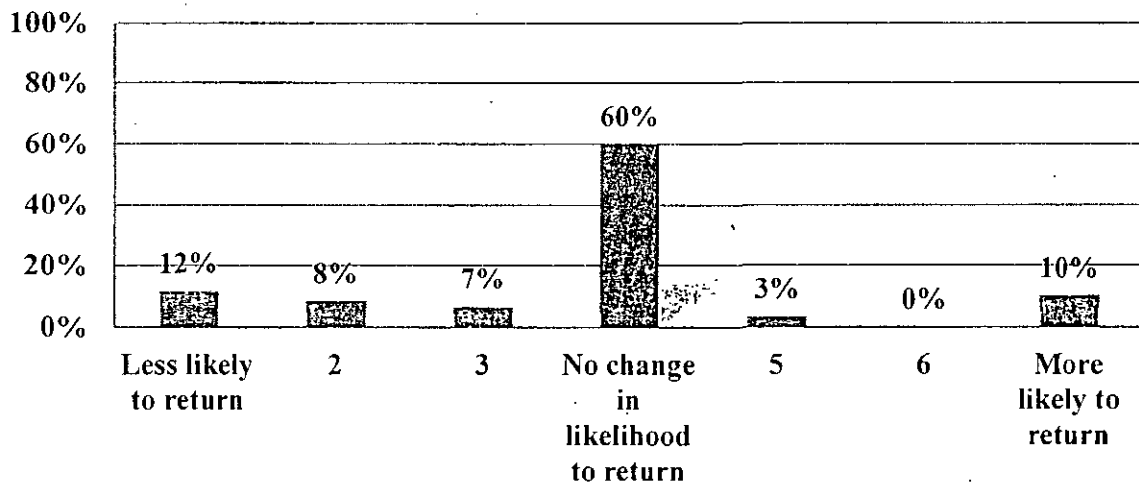
**Please rate any effect on a scale of 1-7 where 1 means you are LESS likely to return and 7 means you are MORE likely to return. A “4” means the change in the view would have no effect on your return.**

Activity	Mean	Median
Boating	3.8	4.0
Canoeing, or Kayaking	3.8	4.0
Fishing from the shore or a boat	3.8	4.0
Ice Fishing	4.0	4.0
Swimming	3.9	4.0

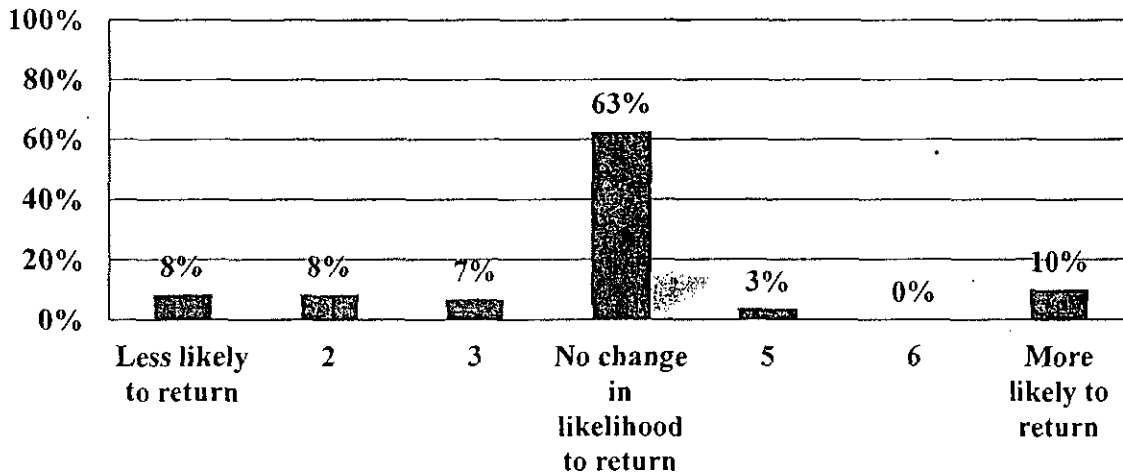
**How would the proposed wind project affect your use of Pleasant Lake  
for Boating?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



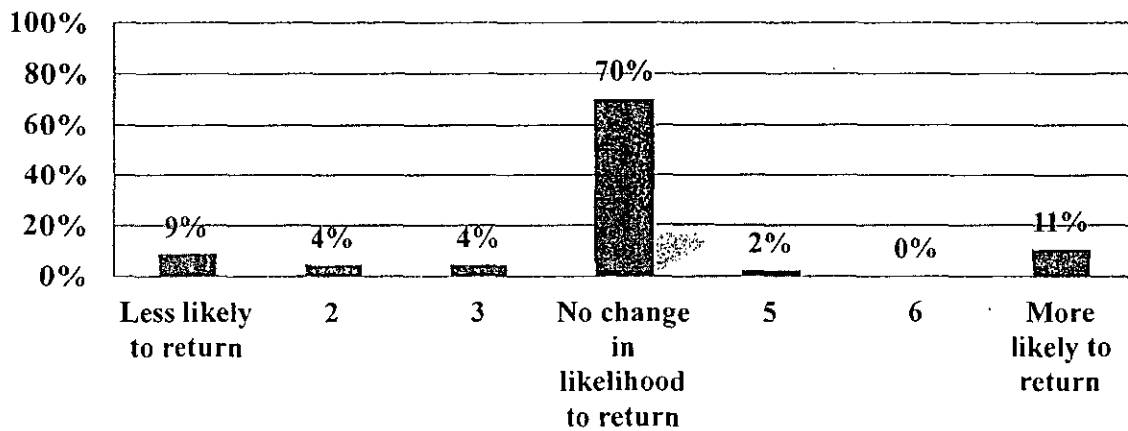
**How would the proposed wind project affect your use of Pleasant Lake  
for Canoeing, or Kayaking?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



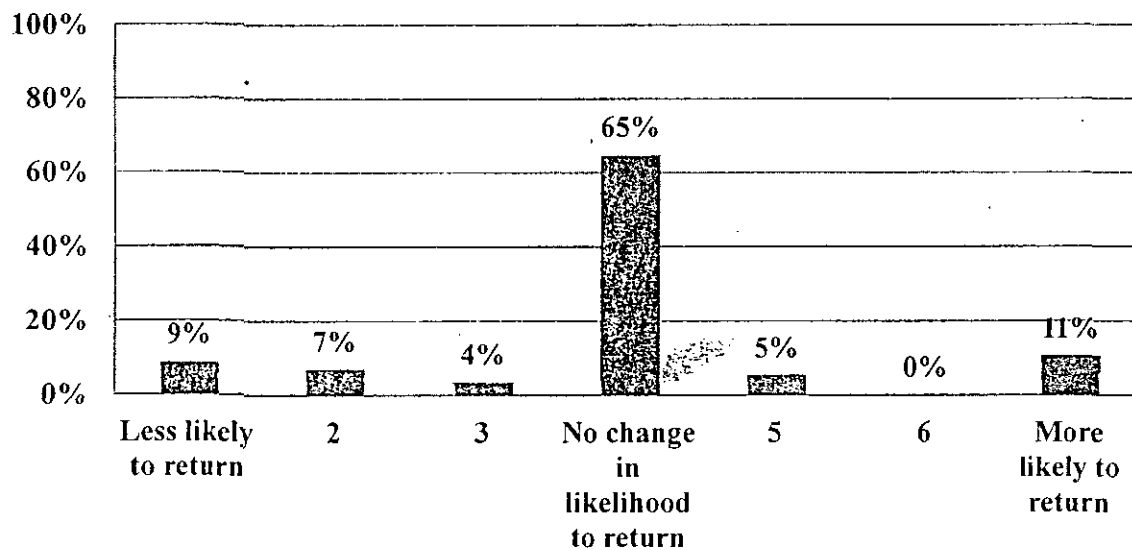
**How would the proposed wind project affect your use of Pleasant Lake  
for Fishing from the shore or a boat?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



**How would the proposed wind project affect your use of Pleasant Lake  
for Ice Fishing?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



**How would the proposed wind project affect your use of Pleasant Lake  
for Swimming?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



## **Scenic Value of Mattawamkeag Lake and Impact of Wind Turbines**

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Respondents were handed a photo simulation of the view from Mattawamkeag Lake near Big Island and were then asked to rate the scenic value of this view. Respondents first rated the current view. Respondents were then handed a photo simulation of the same view including the proposed wind turbines. They were then asked to rate the scenic value of this view that included the wind turbines. The views were rated on a seven point scale where 1 represents the lowest scenic value and 7 represents the highest scenic value.

The average rating of the initial view (without wind turbines) among all respondents was 6.4 with 68% of respondents rating the view as 7, or highest scenic quality, with the lowest rating assigned by respondents being a 3 (with 3% rating as a 3 on the 7-point scale).

The average rating of the second view (the view containing the wind turbines) was 4.3. Thirty-two percent of respondents rated the view with wind turbines as a 7, or highest scenic quality, while 8% assigned a score of 6 and 12% assigned a score of 5 on the 7-point scale. Eighteen percent of respondents assigned the view with wind turbines a score of 1, or lowest scenic quality. Fifteen percent assigned the view a score of 2 and 8% a score of 3 on the 7-point scale.

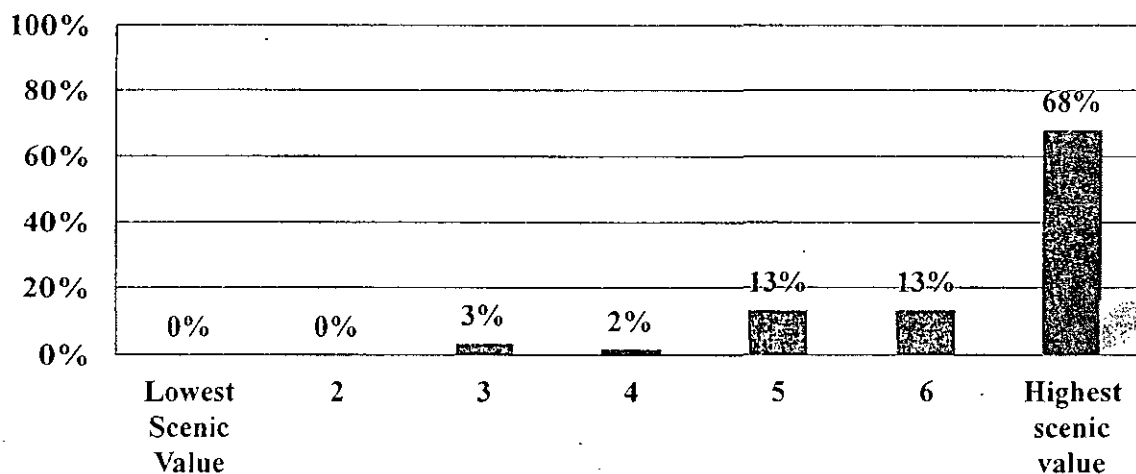
Overall, there was a 2.1 point drop in the average score between the two views from 6.4 to 4.3. There was no difference in assigned scores for 35% of respondents while 9% of respondents assigned a higher score to the view with wind turbines than to the view without wind turbines. The assigned scores dropped by one point among 7% of respondents and dropped by 2 points among 10% of respondents. The score assigned to the view with the wind turbines was 3 or more points lower than the view without the turbines among 41% of respondents.

Now, please think about the scenic value of Mattawamkeag Lake. I am going to show you a series of photographs of views from the lakes and I would like you to rate the scenic value of these views.

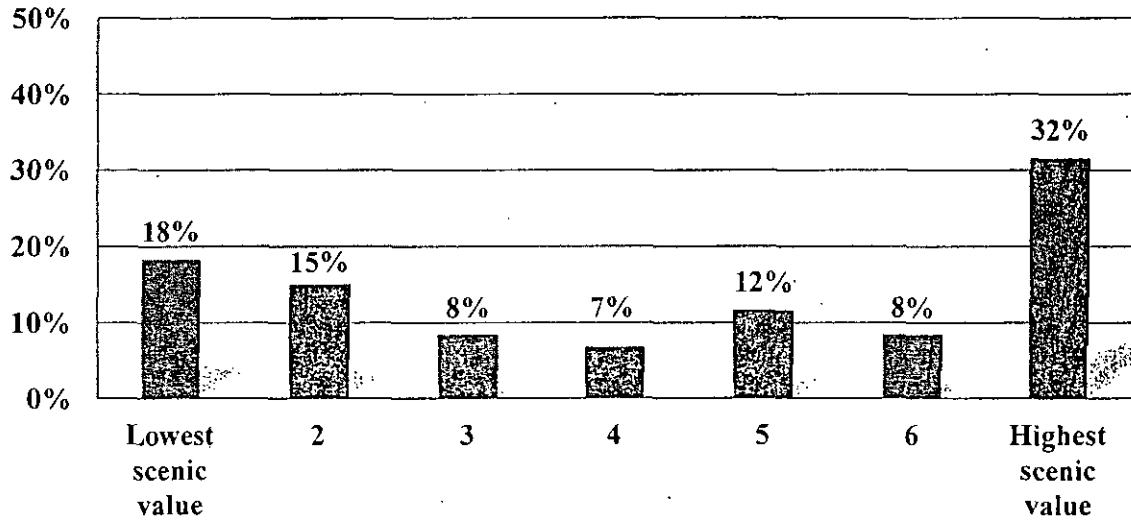
I'd like you to use a 7-point scale where 1 is the LOWEST scenic value in Maine, 7 is the HIGHEST scenic value in Maine, and 4 is the TYPICAL scenic value in Maine.

	Mean	Median
View from Mattawamkeag Lake near Big Island. How would you rate the scenic value of this view?	6.4	7.0
Look at this photo simulation of a wind power project that is being considered on the north side of Pleasant Lake. How would you rate the scenic value of this view?	4.3	5.0
<i>Mattawamkeag Lake Difference in Scenic Quality Without and With Wind Turbines</i>	-2.1	-1.5

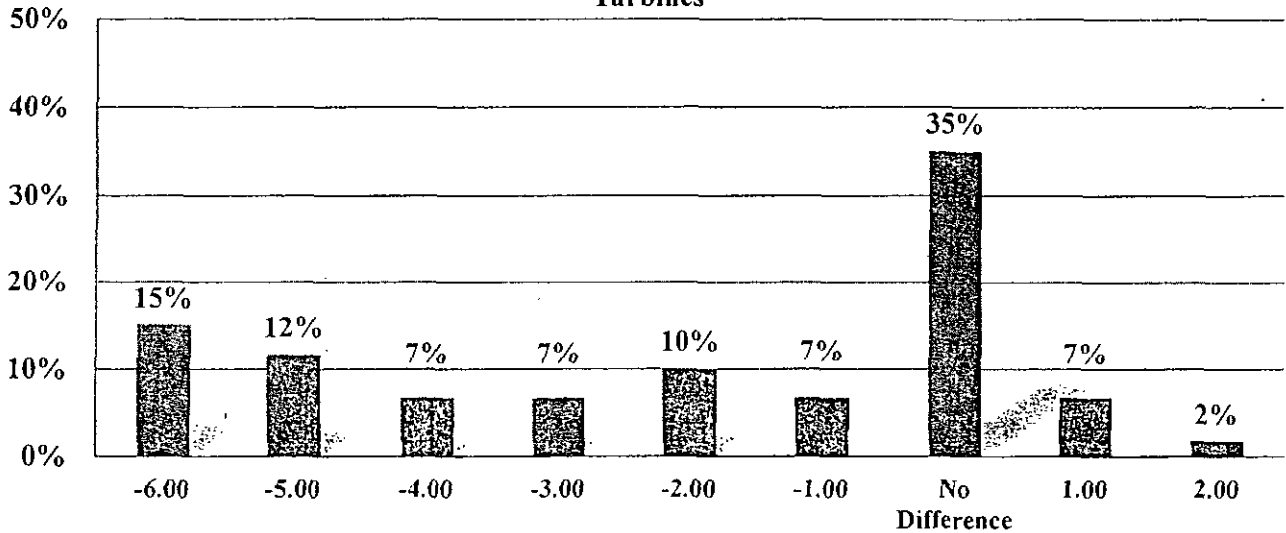
Take a look at this view from Mattawamkeag Lake near Big Island. On the 1-to-7 scale of scenic value in Maine, where 1 is the LOWEST scenic value and 7 is the HIGHEST, how would you rate the scenic value of this view?



Look at this photo simulation of a wind power project that is being considered for the hills on the north side of Pleasant Lake. How would you rate the scenic value of this view where 1 is the LOWEST scenic value and 7 is the HIGHEST scenic value?



Mattawamkeag Lake Difference in Scenic Quality Without and With Wind Turbines

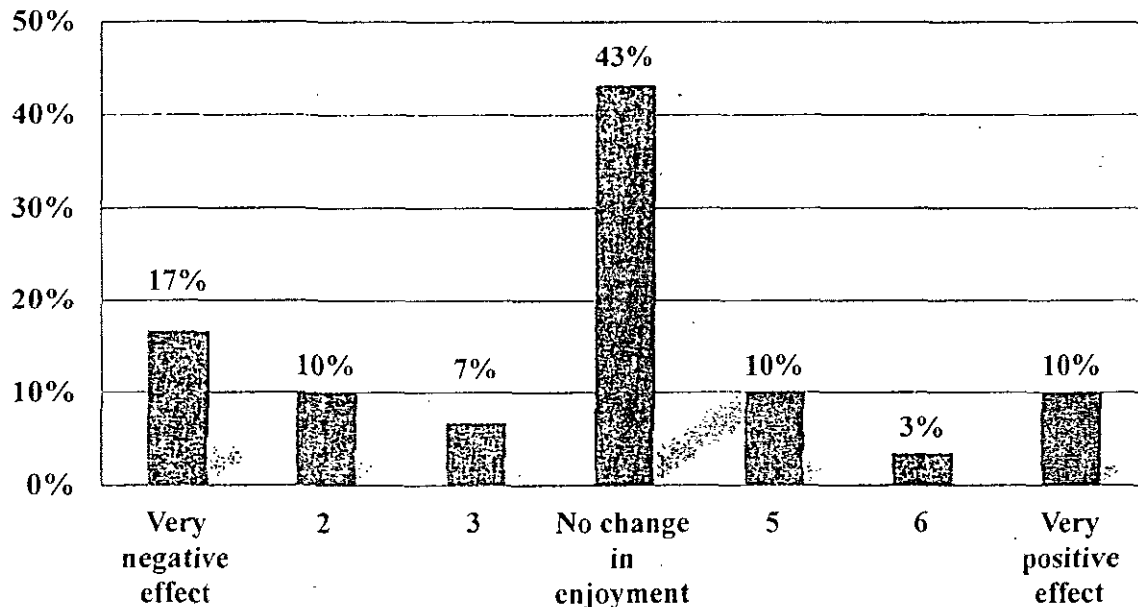


### Impact on Enjoyment and Use (Mattawamkeag Lake)

A series of questions were asked to evaluate the impact of the proposed wind power project on their enjoyment and use of Mattawamkeag Lake. Respondents first evaluated the impact of the proposed wind project on the enjoyment of their visit. Respondents rated the impact on a seven point scale where 1 indicates a very negative effect and 7 represents a very positive effect on the enjoyment of their visit. On the scale, a 4 represents no change in enjoyment.

On average, respondents indicate that the proposed wind project would have a slightly negative effect on the enjoyment of their visit; a rating of 3.7, or just slightly below no change in enjoyment (which would be a rating of 4). Forty-three percent of respondents indicated that the proposed wind project would result in no change to their enjoyment of the lake while 23% indicated that the wind project would have a positive effect on their visit to Mattawamkeag Lake (rating as a 5, 6, or 7). Thirty-four percent of respondents indicated that the proposed wind project would have a negative effect on their visit to Mattawamkeag Lake (rating as 1, 2, or 3).

**I'd like you to think about how your enjoyment of visiting the lake would be affected if you were to see the proposed wind project. Rate on a scale of 1-7, where 1 is a very NEGATIVE effect and 7 is a very POSITIVE effect on your enjoyment.**



Mean – 3.7  
Median – 4.0



**Why do you say that?**

<b>ID#</b>	<b>Comment</b>
52	Again, I think they're environmentally friendly
41	Again, the noise level
46	Again, they take away from the scenic value. If they could maybe put them somewhere else where they're less visible.
28	Can't see that much of the wind towers, not an eye sore
47	Clean energy
54	Destroy it
1	Destroys mountain view, destroys hillside. Concerned about fish and wildlife. I visit here because it is untouched.
21	Doesn't affect anything.
45	Doesn't affect me, I'm neutral
5	Doesn't bother me, not ugly or noisy, no factory smoke
60	Don't bother me a bit, I've been coming here for 15 years and will continue to come here.
59	Don't care for them
17	Don't really bother me
55	Even though they probably would be good, takes away from the view of the lake
34	Fine for Mars Hill, but leave this place alone. Noise - if there is noise, it disturbs fish and wildlife.
14	Fishing only
50	Great for conserving energy, think they would be neat to watch, think they are a good idea
15	Here to fish, but not as scenic
51	I don't go over to Pleasant -- If I did, I'd give it a 3
44	I don't go there
4	I don't think it hurts the scenery
42	I enjoy looking at them, they add to the scenic view
40	I really don't feel good or bad about them, I'm very neutral
31	I think windmills make it more scenic
3	I would still enjoy myself, they don't look good though, difficult situation.
49	If they made noise that would piss me off. The windmills just completely ruin it for me.
56	If they're going to conserve energy then I wouldn't mind them
24	It's the water you are really into
12	Like the look of windmills
18	Like windmills, add to scenery

35	Like windmills, don't bother me, cheap
38	Makes it feel less of a wild area
58	No advantage, again the noise, just not nice to look at
20	No noise, no problem, with noise, problem
19	Noise is a problem, don't really like the looks of them
57	Noisy! It's noisy at birch point anyway
36	Not as scenic, doesn't relax me as much
30	Once you look at it, not a lot to stay and look all day
32	People in area trying to use natural resources, which is wind
27	Rather see windmills than power lines or nuclear power plants
13	Really scenic, really enjoyable, windmills are interesting, better with them
23	Ruins scenery, noise awful
6	Ruins the tranquility
8	Same
9	Same
48	Same
11	Same - noise
39	Sitting in middle of lake, all alone, seems like you are all alone, back to nature. Look up, see windmills. Boom - no more nature.
53	Still, no effect on me
22	Stuff like that I don't notice
33	Sun makes it better
2	The effect on wildlife
7	The windmills do not affect my view of nature
43	Too noisy, don't like the way they look
16	Totally ruins the view
25	Wind power is good idea, depends on where power is going. Have not been close enough to wind turbines to know their effect.
10	Wind power necessary, scenic view obstructed, find a place not vacation destination
26	Windmills - creepy, ruin, not natural, don't blend into forest
29	Windmills don't bother me
37	Wouldn't bother me

Respondents were then asked to evaluate how the proposed wind project might affect their use of Mattawamkeag Lake for a number of activities. Respondents rated the impact on a seven point scale, where 1 indicates they are less likely to return and 7 indicates they are more likely to return. On the scale, a 4 represents no change in their likelihood of returning to Mattawamkeag Lake.

On average, respondents indicate that the proposed wind project would have a slightly negative effect on their likelihood of returning to Mattawamkeag Lake. The score for the activities were:

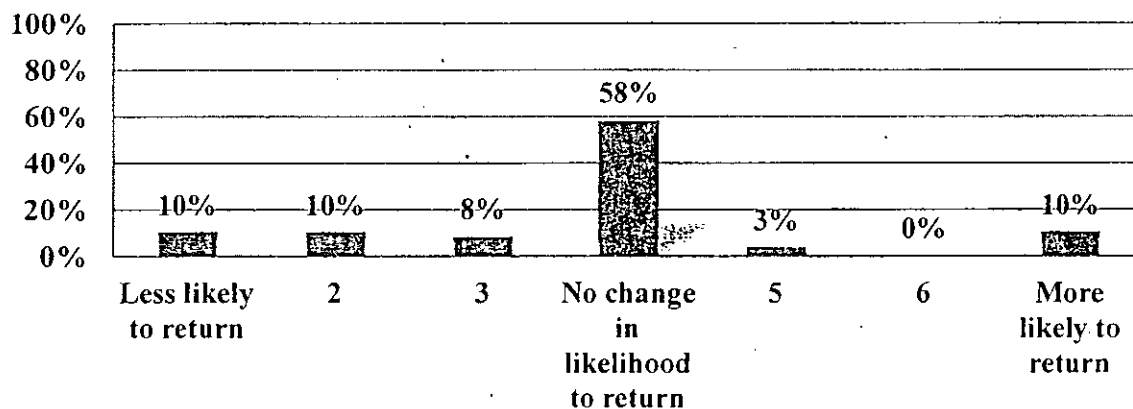
- **Boating** (an average of 3.8) with 71% indicating no change or a positive change in their likelihood to return and 28% indicating they are less likely to return (rating as 1, 2, or 3)
- **Canoeing, or Kayaking** (an average of 3.8) with 72% indicating no change or a positive change in their likelihood to return and 26% indicating they are less likely to return (rating as 1, 2, or 3)
- **Fishing from the shore or a boat** (an average of 3.8) with 73% indicating no change or a positive change in their likelihood to return and 26% indicating they are less likely to return (rating as 1, 2, or 3)
- **Ice Fishing** (an average of 3.9) with 79% indicating no change or a positive change in their likelihood to return and 21% indicating they are less likely to return (rating as 1, 2, or 3)
- **Swimming** (an average of 3.9) with 75% indicating no change or a positive change in their likelihood to return and 25% indicating they are less likely to return (rating as 1, 2, or 3)

Next, think specifically about the view from Mattawamkeag Lake comparing the images with and without the proposed wind project. How would the proposed wind project affect your use of Mattawamkeag Lake for water activities?

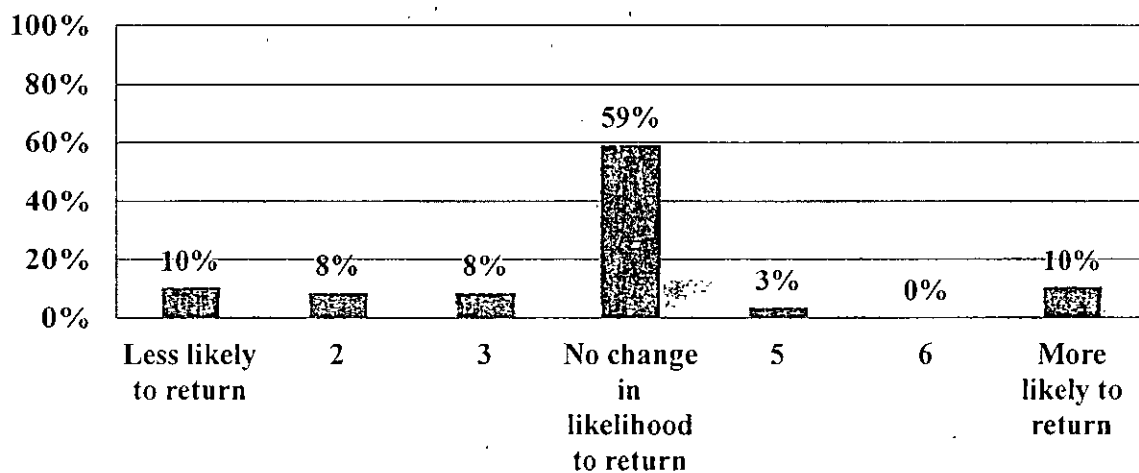
Please rate any effect on a scale of 1-7 where 1 means you are LESS likely to return and 7 means you are MORE likely to return.

Activity	Mean	Median
Boating	3.8	4.0
Canoeing, or Kayaking	3.8	4.0
Fishing from the shore or a boat	3.8	4.0
Ice Fishing	3.9	4.0
Swimming	3.9	4.0

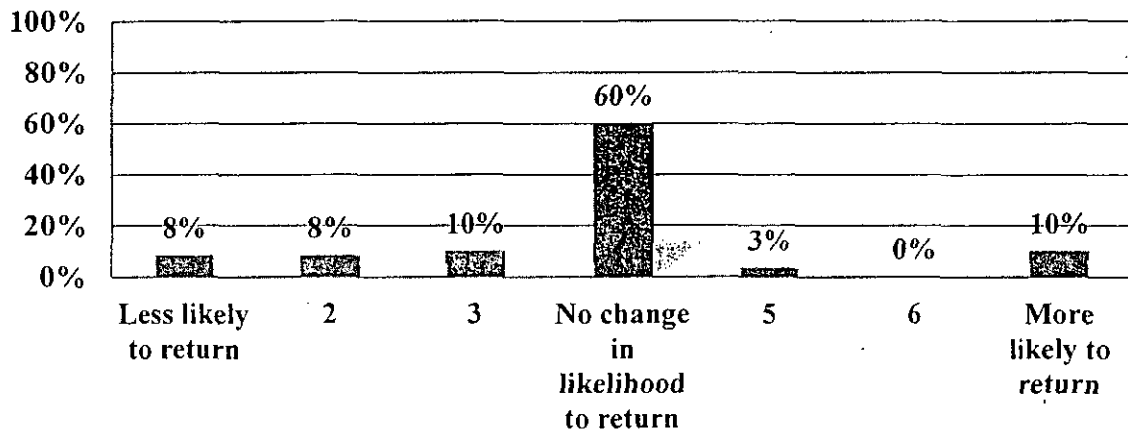
**How would the proposed wind project affect your use of  
Mattawamkeag Lake for Boating?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



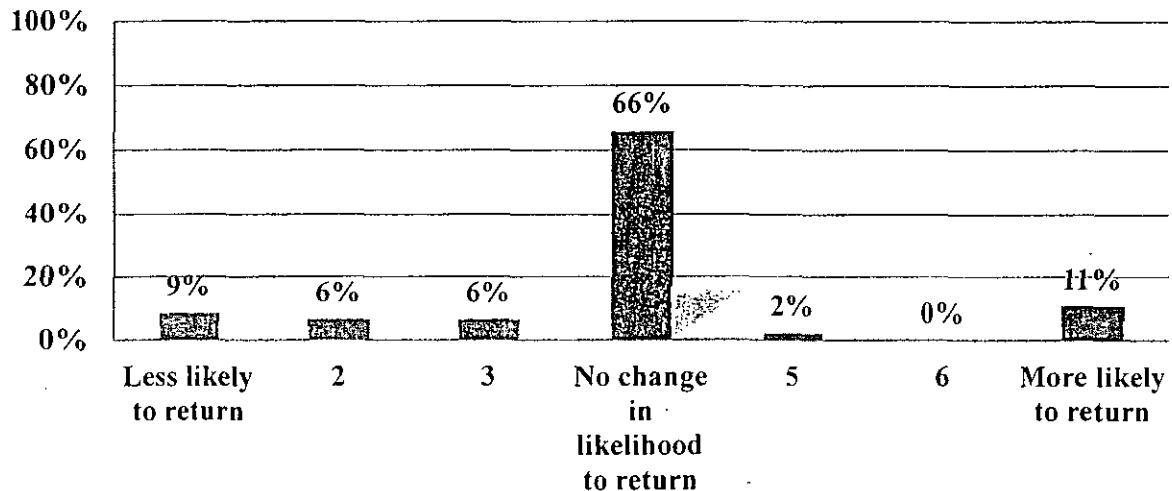
**How would the proposed wind project affect your use of  
Mattawamkeag Lake for Canoeing, or Kayaking?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



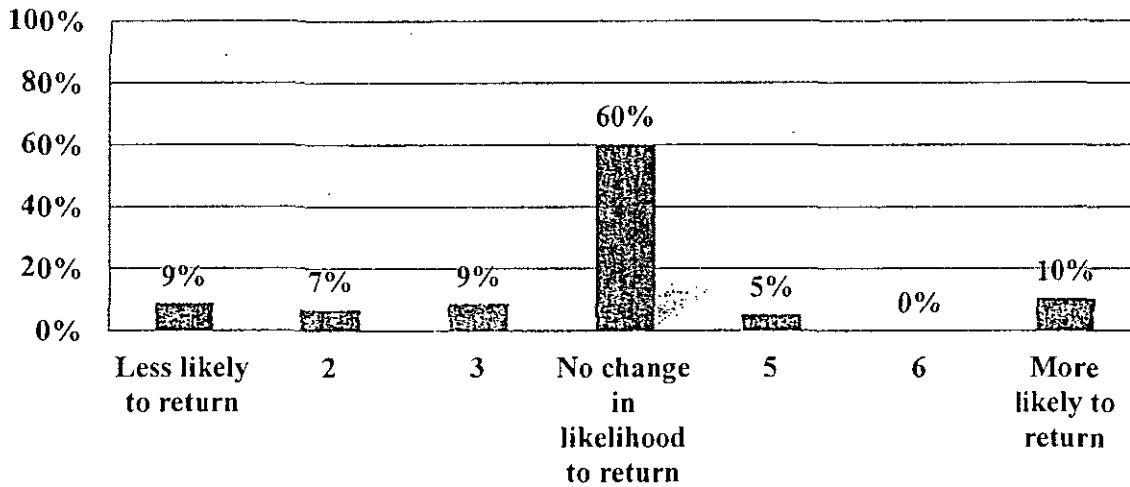
**How would the proposed wind project affect your use of  
Mattawamkeag Lake for Fishing from the shore or a boat?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



**How would the proposed wind project affect your use of  
Mattawamkeag Lake for Ice Fishing?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)



**How would the proposed wind project affect your use of  
Mattawamkeag Lake for Swimming?**  
(rated on a 7 point scale where 1 is less likely to return and 7 is more  
likely to return)

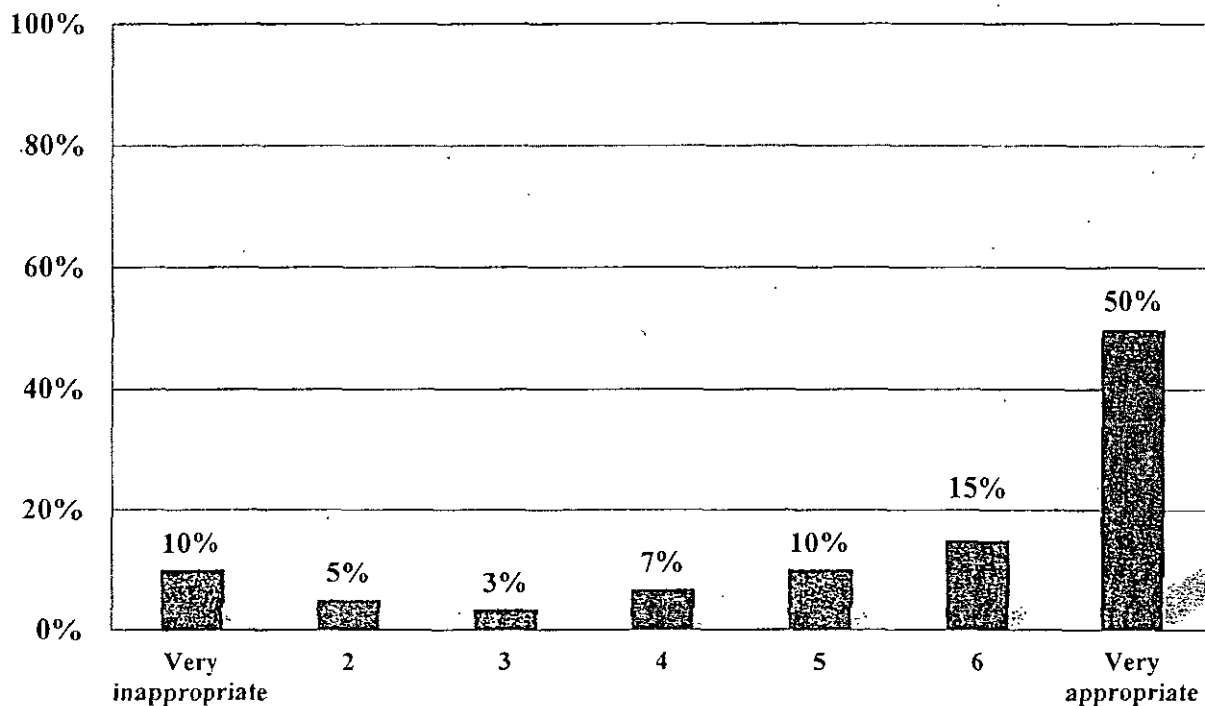


## General Views of Wind Power Development

Respondents were asked to indicate how appropriate wind development was for the state of Maine. Respondents rated their views on a 7-point scale where 1 indicates they believe it is very inappropriate and 7 indicates they believe wind power is very appropriate for Maine.

On average, respondents assigned a score of 5.5. Half of respondents (50%) rated wind power development for Maine as very appropriate (rating as a 7 on the scale) while 25% indicated wind power development was appropriate to some degree for Maine (rating as a 5 or 6). Only 18% of respondents rated wind power development as inappropriate to some degree (rating as a 1, 2, or 3) for Maine.

Thinking about wind power development in general, please rate how appropriate it is for Maine on a scale of 1 to 7, where 1 means wind power is generally very INappropriate and 7 means it is generally very appropriate.



Mean – 5.5  
Median – 6.5

## Why do you feel that way?

ID#	Comment
34	"We need something," cost of electricity
37	Anything that is cheaper. Money talks, b.s. walks.
42	Beautiful and different, they're something we don't have
44	Can become an eyesore if there are too many
47	Clean energy!
13	Clean energy, less smog, no pollution, no radiation
17	Clean, only do on side, does not create a lot of jobs
11	Don't believe it pays for itself, against scenic quality, tax breaks, grew up here, don't want to see it change
40	Don't bother me, feel neutral
36	Don't know much about it, positives and negatives. Not pretty.
8	Everyone wants to enjoy nature, but it obstructs all of our nature and wildlife resources
12	Generate a lot more jobs, also electricity
26	Good thing. Trying to be green. Alternative ways rather nuclear. Put them where I am not vacationing. I would pick another location for vacation if they were there.
57	Gotta have jobs .I'm all for renewable energy & wind mills. I work in the woods. People can do what they want with their own property.
53	Green energy
60	Help everyone, help the economy
48	Highly favored / efficiency
54	I am for them. Not involved in my area. Like, how they are being used? Not in really scenic place.
21	I don't know, change
5	I like the idea, but not that the power goes out of state. I would support more if power stayed here in Maine.
33	I think it's a great thing, produces power.
31	I think it's great. Uses up less resources, more natural. Better!
56	If they help with energy, then I find them to be appropriate.
9	Important free energy, humming a negative, new science, technology needs to improve
10	Important renewable energy, change locations. Pollution-free is good.
58	It doesn't directly affect me, but there's noise, affects the view, we don't really get an advantage from them
1	It's a good thing if in the right place, placement is key



39	It's great, we have to do it. Need to be smart about it. Find that balance, it's tough because no one wants to look at them.
16	Location, enough woods, put them somewhere where we don't have to look. Should be able to benefit residents.
23	Maine doesn't make money from it, sells it to Canada. If Maine could make money...
55	More of a scenic area and would take away from the scenic view
32	More people should invest in renewable resources, become more green
52	Natural resources
25	Need to look at renewable and alternative energies
6	Not against wind power, I am against the placement of it here, it ruins the scenery
19	Not helping Maine, sells it to Canada, have to buy it back. If it could make Maine some money.
20	Not helping us, going to Canada. If it were here in Maine I would rate a 7.
38	Not sure how wind is in Maine, not sure there are enough areas where they would not have to clear trees, build roads
51	Not too familiar w/ subject, but it's important to look at options & resources
2	Pro-renewable energy, ultimately cost and independence pollution prevention
3	Renewable energy is good
22	Someone's gotta make money to this country, jobs
28	Source that you are not borrowing fossil fuel. As long as it does not hurt wildlife.
49	Take away from the view, too noisy
43	Takes away from the beauty of the scenery
46	Takes away from the scenic view
50	The power that they generate, leaning toward conserving energy
59	Their looks, the upkeep on them is all going to come into effect
14	They need to use it to power Maine, not Canada, NY, and grid
35	Think they're great, some people say they are noisy. Been up at Mars Hill, have not heard them.
27	Very for it. Very good use. If we can use it the way people in the Netherlands are using it. Renewable energy source!
29	Very important free energy resource
41	We can see them from where we're from, the noise, we don't benefit from them. Why not put them in Canada, why where we are?
15	We don't need to have to waste money buying the wind power back that is originally ours, use it in Maine only!
24	We need alternative energy

4	We need electricity, better than oil
45	We need to explore other options for power, more sustainable energy
7	Whatever we can do to reduce the demand for fossil fuel is important. The only negative is that they are expensive to make.
30	Wind resources aren't real practical cost of maintenance. Power companies still need to have the same capabilities because they are needed when the wind won't blow. Is it worthwhile?

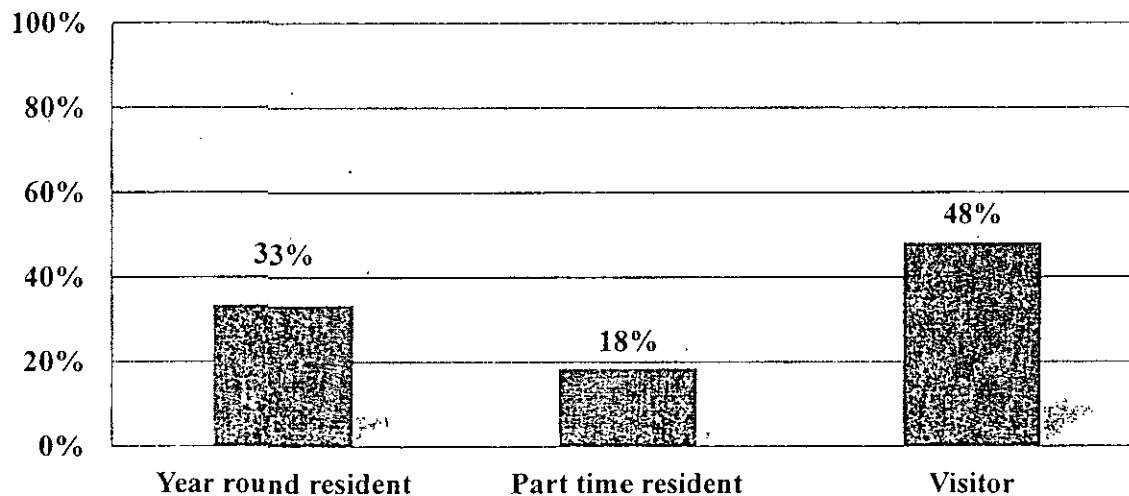
## **Demographics**

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Thirty-three percent of respondents were full time residents, 18% were part time residents, and 48% were visitors to the area. Among part time residents and visitors, all indicated they lived in or visited the area in the summer while 42% lived in or visited the area in the fall, 32% in the winter, and 32% in the spring. More than half (51%) have a seasonal camp in the area.

The largest percentage of respondents (28%) was aged 45 to 54 while 15% were 55 to 64 and 13% were 65 and older. Seven percent of respondents were aged 18 to 24 while 18% were 25 to 34 and 18% were 35 to 44. Fifty-seven percent of respondents were male while 43% were female. Forty-one percent of respondents were with one other person while 12% were alone. Forty-seven percent of respondents were with two or more other people. Most respondents were from Maine including the municipalities of Bangor, Ashland, Houlton, Island Falls, Monticello, Oakfield, and Patten. Nine respondents were from out of the state including two from Canada.

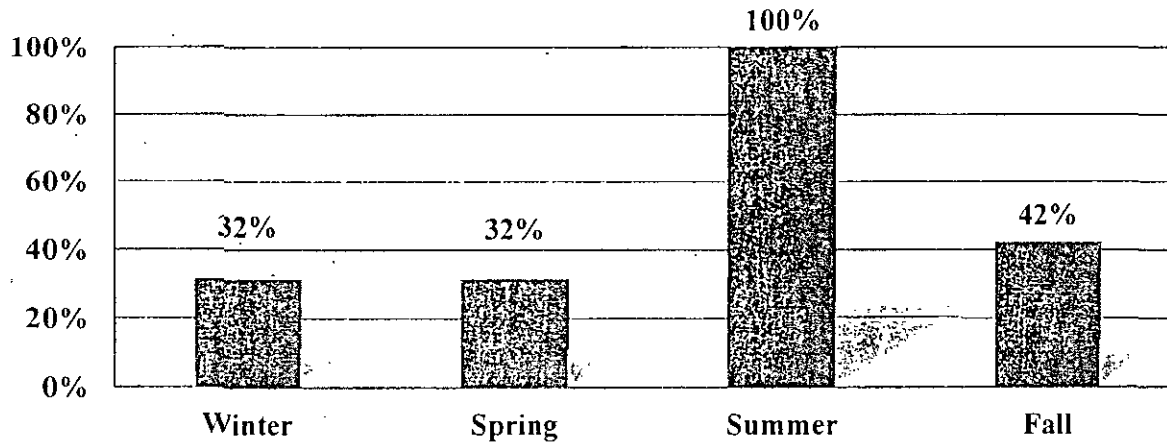
Are you a year round resident, part time resident, or visitor to this area?



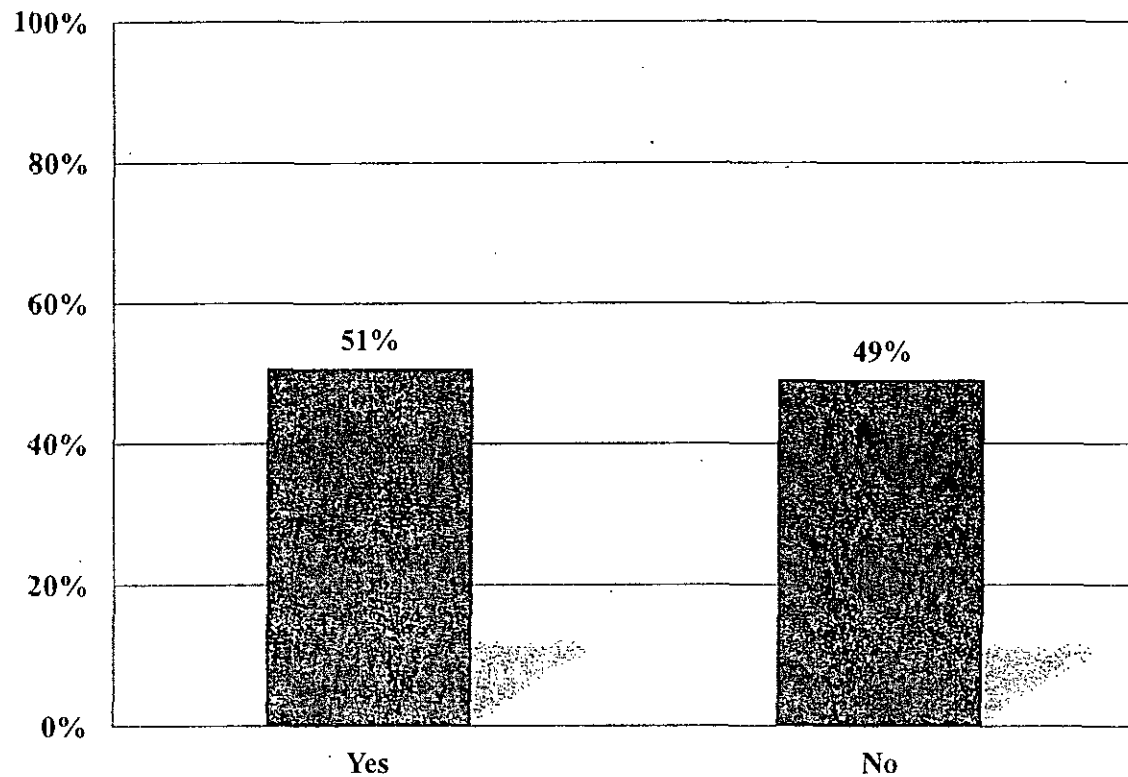
- Among those interviewed at Pleasant Lake: 10% were year round residents, 23% were part time residents and 68% were visitors.
- Among those interviewed at Mattawamkeag Lake: 80% were year round residents, 10% were part time residents and 10% were visitors.

IF PART TIME RESIDENT OR VISITOR:

Do you live in or visit the area in:  
(multiple responses accepted)



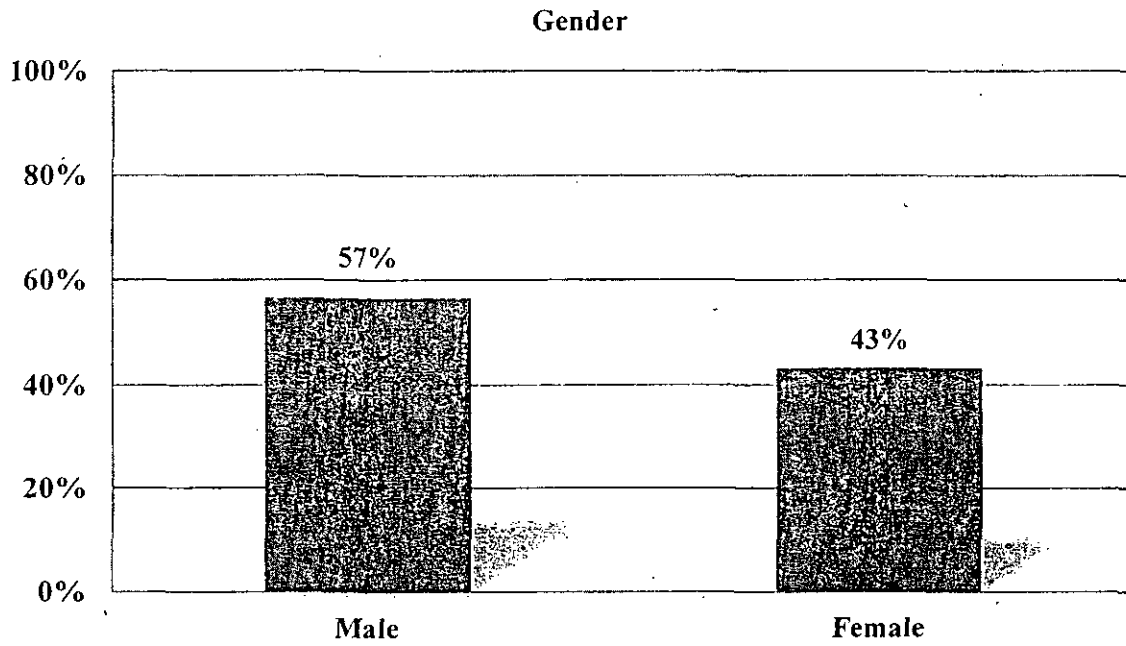
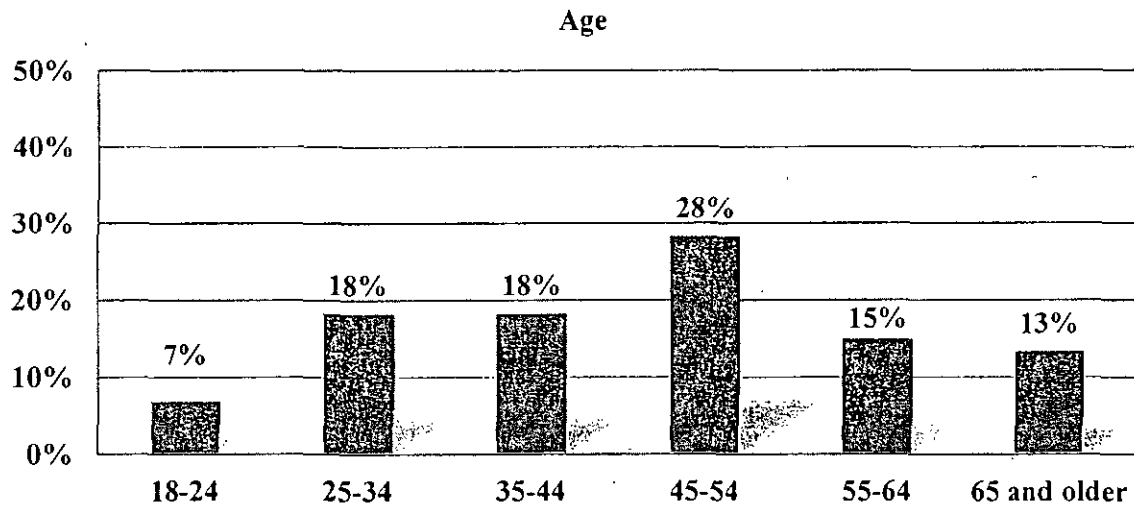
**Do you have a seasonal camp or residence in this area?**

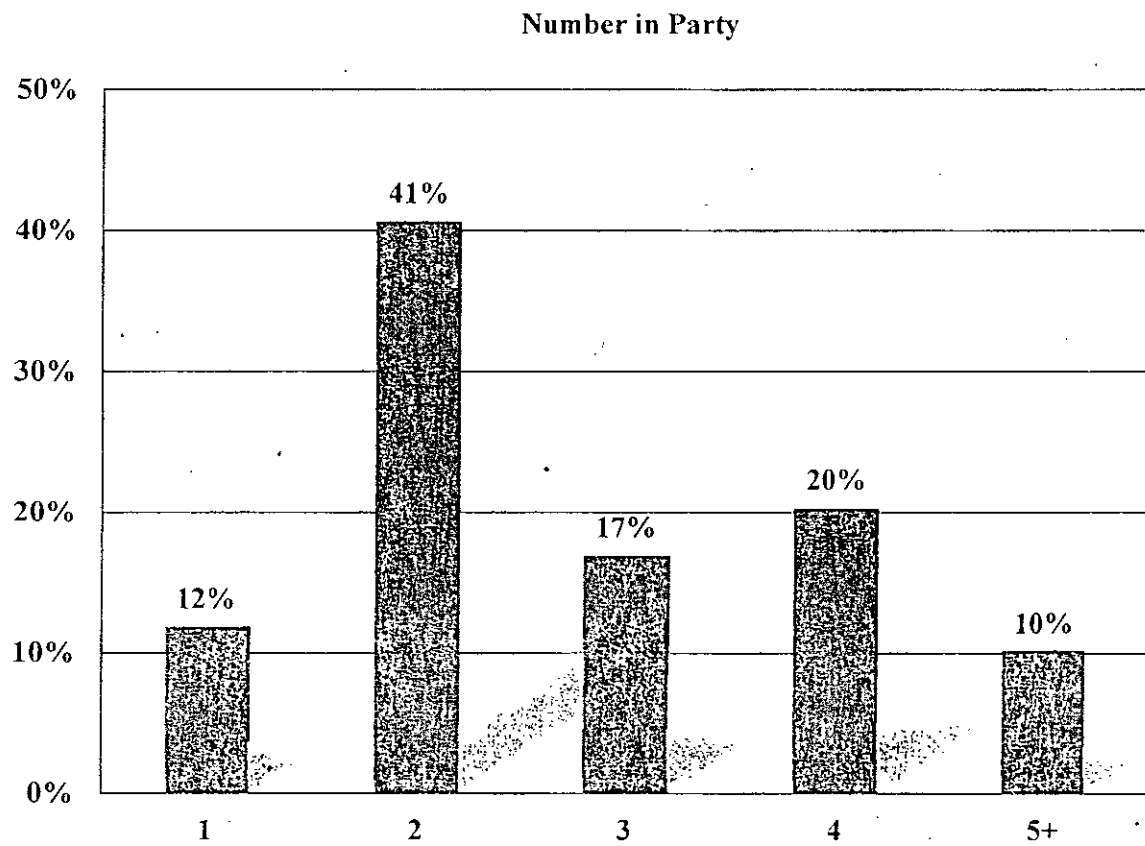


**Where is it located?**

ID#	Comment
48	About 10 miles away [From Mattawamkeag Lake]
34	Birch Point
35	Birch Point
3	Birch Point
38	Crabtree Lane, Pleasant Lake
21	Crystal
14	East Millinocket
11	Grant Road, Island Falls
41	Howton
16	Island Falls
22	Island Falls
57	Island Falls

47	Mattawamkeag Lake
51	Mattawamkeag Lower Lake
18	Merrill
1	Merrill Dyerbrook
15	Millinocket
19	Monticello
20	Monticello
44	Mosquito Point
12	Oakfield
23	Oakfield, and camp here
28	Patten
59	Patten
53	Pleasant Lake
17	Second Lake
4	Sherman
13	Smyrna
2	Township 4 Range 3
54	Upper Mattawamkeag Lake, 2 minutes from condos







**What is your zip code?**

<b>ID#</b>	<b>Comment</b>
33	02048
51	03102
47	03447
27	04033
43	04064
36	04240
52	04240
38	04330
1	04401
24	04401
29	04401
15	04430
49	04444
39	04448
56	04448
58	04457
5	04459
44	04462
6	04559
25	04730
34	04730
41	04730
50	04730
7	04732
9	04732
60	04732
53	04733
8	04736
11	04742
37	04745
55	04745
16	04747
21	04747
22	04747
54	04747
57	04747
19	04760

20	04760
35	04760
12	04763
23	04763
17	04765
28	04765
59	04765
31	04773
3	04777
4	04777
13	04780
18	04780
48	04780
32	04937
45	04937
26	06111
40	06111
46	08854
2	10028
30	e7p2r3
42	E7P2V3

## **Appendix**

### **Survey Instrument**

## Pleasant Lake/Mattawamkeag Lake Survey

### PLEASANT LAKE VERSION

**GREET HIKERS/VISITORS:** *Hello, I am conducting a short survey about impressions of visitors to Pleasant Lake and Mattawamkeag Lake. Do you have a few minutes?*

### Activities

1. Think about your activities on Pleasant Lake. What are your plans for today?  
(READ AND CHECK ALL MENTIONED)
2. IF MORE THAN ONE: What is your primary reason for coming here today?  
(CIRCLE PRIMARY REASON)

<input type="checkbox"/>	Canoeing/Kayaking
<input type="checkbox"/>	Boating (Motor Boat)
<input type="checkbox"/>	Personal watercraft
<input type="checkbox"/>	Viewing the scenery
<input type="checkbox"/>	Fishing from a boat or shore
<input type="checkbox"/>	Swimming
<input type="checkbox"/>	Beach going, use of the beach
<input type="checkbox"/>	Staying at a lodge
<input type="checkbox"/>	Staying at a camp
<input type="checkbox"/>	Picnicking
<input type="checkbox"/>	Nature study
<input type="checkbox"/>	Other: _____

3. What parts of the lake are you planning on visiting today?

**INTS:** SHOW MAP AND HAVE THEM DRAW A ROUTE. HAVE THEM CIRCLE ON THE MAP WHERE THEY EXPECT TO SPEND THE MOST TIME

4. How long do you expect to be out on the lake today? \_\_\_\_\_ (ENTER HOURS)

## Prior Visits

5. During the past year how many times have you visited the following ...

Pleasant Lake \_\_\_\_\_ (ENTER # OF TIMES)

Mattawamkeag Lake \_\_\_\_\_ (ENTER # OF TIMES)

6. IF YES: During the past year, how many times have you visited \_\_\_\_\_ for...

Activity	Pleasant Lake	Mattawamkeag Lake
Canoeing/Kayaking		
Boating (Motor Boat)		
Viewing the scenery		
Personal watercraft		
Snowmobiling		
Fishing from a boat or shore		
Ice fishing		
Swimming		
Beach going, use of the beach		
Staying at a lodge		
Staying at a camp		
Picnicking		
Nature study		
Hiking		
Any other reasons (Specify Below)		

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6a. Do you use or visit the lake at night for star gazing, fishing, boating, canoeing, kayaking, or any other uses? (IF YES, SPECIFY USES)

YES / NO

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## Importance of Attributes and Expectations

7. Next, I would like you to think about your use of the lake today. Please rate each of the following on a 7 point scale, where 1 is NOT AT ALL important and 7 is EXTREMELY important to you.  
(READ AND RECORD SCORE FOR EACH)

Attribute	SCORE	DK	N/A
Enjoying the outdoors			
Enjoying time with family/friends			
Getting back to nature			
Relaxing/unwinding			
Seeing/observing wildlife			
The enjoyment of being on a boat			
The scenery and scenic views			
The general experience of being out on the water			
The quality of the fishing			
An opportunity to have some time by myself			

8. Is there anything else about coming here today that is important to you?

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## Expectations for the Area

9. In general, what are your expectations for your recreational experience during your visit to Pleasant Lake?

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I would like you to think about two specific aspects of your expectations.

10. First please think about your expectations for the number of people that may also be using the lake. Please rate this on a scale from 1 to 7 where one means you expect it to be un-crowded with few or no other people and 7 means you expect it to be crowded with a large number of people. You may also use any number in between.

Un-crowded, few or no people				Crowded, a larger number of people			
1	2	3	4	5	6	7	DK

11. Next think about your expectations for level of development that you will see along the lake. Please rate on a scale from 1 to 7 where one means you expect the lake to be largely UN-developed and 7 means you expect it to largely or mostly developed. You may also use any number in between.

Undeveloped				Developed			
1	2	3	4	5	6	7	DK

## **Scenic Value/Quality Questions**

- 12. Now I'd like to ask you about scenic quality. Can you think of a place in Maine that has a very high scenic quality, or outstanding views? That is one that on a scale of 1 to 7 for scenic quality, one you would rate as a 7 for the HIGHEST scenic quality.**

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- 13. What is it about this place that makes it highly scenic?**

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- 14. Next, can you think of an outdoor place in Maine that has a VERY LOW scenic quality? That is one that on a scale of 1 to 7 for scenic views, one you would rate as a 1 for LOWEST SCENIC QUALITY?**

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- 15. What is it about this place that gives it low scenic value?**

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## Photo Simulation Questions and Impact

Now, please think about the scenic value of Pleasant Lake and Mattawamkeag Lake. I am going to show you a series of photographs of views from the lakes and I would like you to rate the scenic value of these views.

If you hold the photograph the distance indicated on the back from your face, it will in correct perspective so that everything in the photograph is the same size that it would be if you were looking at it from where the photograph was taken.

I'd like you will use a 7 point scale where 1 is the LOWEST scenic value in Maine, 7 is the HIGHEST scenic value in Maine, and 4 is the TYPICAL scenic value in Maine.

### Pleasant Lake

First, please look at these views of Pleasant Lake.

16. Take a look at this view from a midpoint on Pleasant Lake. On the 1-to-7 scale of scenic value in Maine, where 1 is the LOWEST scenic value and 7 is the HIGHEST, how would you rate the scenic value of this view?  
(CIRCLE NUMBER)

1	2	3	4	5	6	7	DK	REF
---	---	---	---	---	---	---	----	-----

17. Now, please take a look at this photo simulation of a wind power project that is being considered for the hills on the north side of Pleasant Lake. How would you rate the scenic value of this view?  
(CIRCLE NUMBER)

PROMT AS NEEDED: On the 1-to-7 scale of scenic value in Maine, where 1 is the LOWEST scenic value and 7 is the HIGHEST, how would you rate the scenic value of this view?

1	2	3	4	5	6	7	DK	REF
---	---	---	---	---	---	---	----	-----

### **Impact on Enjoyment and Use (Pleasant Lake)**

18. Now I'd like you to think about how your enjoyment of visiting the lake would be affected if you were to see the proposed wind project during your visit today. On a scale of 1-7, where 1 is a very **NEGATIVE** affect and 7 is a very **POSITIVE** effect on your enjoyment how would your enjoyment be affected? A "4" means that it would not change your enjoyment at all.  
(CIRCLE NUMBER)

1	2	3	4	5	6	7	DK	REF
---	---	---	---	---	---	---	----	-----

19. Why do you say that?

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20. Next, think specifically about the view from Pleasant Lake comparing the images with and without the proposed wind project. How would the proposed wind project affect your use of Pleasant Lake for water activities?

Please rate any affect on a scale of 1-7 where 1 means you are **LESS** likely to return and 7 means you are **MORE** likely to return. A "4" means the change in the view would have no effect on your return. How would it affect your use of the lake for...  
(READ EACH AND CIRCLE NUMBER)

Boating	1	2	3	4	5	6	7	DK	N/A
Canoeing, or Kayaking	1	2	3	4	5	6	7	DK	N/A
Fishing from the shore or a boat	1	2	3	4	5	6	7	DK	N/A
Ice Fishing	1	2	3	4	5	6	7	DK	N/A
Swimming	1	2	3	4	5	6	7	DK	N/A

**Mattawamkeag Lake**

Next, please look at this view of Mattawamkeag Lake.

21. Take a look at this view from Mattawamkeag Lake near Big Island. On the 1-to-7 scale of scenic value in Maine, where 1 is the LOWEST scenic value and 7 is the HIGHEST, how would you rate the scenic value of this view?  
(CIRCLE NUMBER)

1	2	3	4	5	6	7	DK	REF
---	---	---	---	---	---	---	----	-----

22. Now, please take a look at this photo simulation of a wind power project that is being considered for the hills on the north side of Pleasant Lake. How would you rate the scenic value of this view?  
(CIRCLE NUMBER)

PROMT AS NEEDED: On the 1-to-7 scale of scenic value in Maine, where 1 is the LOWEST scenic value and 7 is the HIGHEST, how would you rate the scenic value of this view?

1	2	3	4	5	6	7	DK	REF
---	---	---	---	---	---	---	----	-----

**Impact on Enjoyment and Use (Mattawamkeag Lake)**

23. Again, I'd like you to think about how your enjoyment of visiting the lake would be affected if you were to see the proposed wind project. On a scale of 1-7, where 1 is a very NEGATIVE affect and 7 is a very POSITIVE effect on your enjoyment how would your enjoyment be affected? A "4" means that it would not change your enjoyment at all.

(CIRCLE NUMBER)

1	2	3	4	5	6	7	DK	REF
---	---	---	---	---	---	---	----	-----

24. Why do you say that?

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25. Next, think specifically about the view from the middle of Mattawamkeag Lake near Big Island, comparing the images with and without the proposed wind project. How would the proposed wind project affect your use of Mattawamkeag Lake for water activities?

Please rate any affect on a scale of 1-7 where 1 means you are LESS likely to return and 7 means you are MORE likely to return. A '4' means the change in the view would have no effect on your return. How would it affect your use of the lake for...

(READ EACH AND CIRCLE NUMBER)

Boating	1	2	3	4	5	6	7	DK	N/A
Canoeing, or Kayaking	1	2	3	4	5	6	7	DK	N/A
Fishing from the shore or a boat	1	2	3	4	5	6	7	DK	N/A
Ice Fishing	1	2	3	4	5	6	7	DK	N/A
Swimming	1	2	3	4	5	6	7	DK	N/A

## DEMOGRAPHICS

26. Now, I would like you think about renewable energy sources. Thinking about wind power development in general, please rate how appropriate it is for Maine on a scale of 1 to 7, where 1 means wind power is generally very INappropriate and 7 means it is generally very appropriate.

1	2	3	4	5	6	7	DK	REF
---	---	---	---	---	---	---	----	-----

27. Why do you feel that way?

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Finally, we would like to ask a few questions so that we can develop a demographic profile of the visitors to this area.

28. Are you a year round resident, part time resident, or visitor to this area?

<input type="checkbox"/> Year round resident	<input type="checkbox"/> Part time resident	<input type="checkbox"/> Visitor
--	---	----------------------------------

29. IF PART TIME RESIDENT/VISITOR: Do you live in or visit the area in:  
(READ AND CHECK ALL)

<input type="checkbox"/> Winter	<input type="checkbox"/> Summer
<input type="checkbox"/> Spring	<input type="checkbox"/> Fall

30. Do you have a seasonal camp or residence in this area? ☐ Yes ☐ No

31. IF YES: where is it located? (SPECIFY GENERAL LOCATION)

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**32. Please stop me when I say your age group (Circle Response)**

<input type="checkbox"/>	18-24
<input type="checkbox"/>	25-34
<input type="checkbox"/>	35-44
<input type="checkbox"/>	45-54

<input type="checkbox"/>	55-64
<input type="checkbox"/>	65 and older
<input type="checkbox"/>	DK/REF

**33. What is your zip code?** \_\_\_\_\_ **(ENTER ZIP CODE)**

**34. GENDER**

☐ Male☐ Female

**35. Number in party (BY OBSERVATION)** \_\_\_\_\_ **(ENTER NUMBER)**

**Thank you for your help today.**

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

